CX-JN10

SERVICE MANUAL

Ver 1.0 2004.03

AEP Model
UK Model
E Model
Australian Model



CX-JN10 is the tuner, amplifier, cassette deck and CD player section in JAX-N10/PK10.

CD Section	Model Name Using Similar Mechanism	CX-JN1
	CD Mechanism Type	CDM74S-K6BD72
	Base Unit Name	BU-K6BD72
	Optical Pick-up Block Name	KSM-213DCP
	Optical Pick-up Name	KSS-213D
Tape deck Section	Model Name Using Similar Mechanism	CX-JN1
	Tape Transport Mechanism type	CWM43FF13

SPECIFICATIONS

TUNER

FM tuning range	87.5 MHz to 108 MHz
FM usable sensitivity (IHF)	
AEP, UK models:	16.8 dBf
Except AEP, UK models:	13.2 dBf
FM antenna terminal	75 ohms (unbalanced)
AM tuning range	
AEP, UK, E, EA, TW models:	531 kHz to 1602 kHz
E51 model:	530 kHz to 1710 kHz (10 kHz step) 531 kHz to 1710 kHz (9 kHz step)
SP, AUS models:	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
AM usable sensitivity	350 µV/m
AM antenna	Loop antenna

AMPLIFIER

Power output	
AEP, UK models:	Rated: 12 W + 12 W (6 ohms, T.H.D. 1 %, 1 kHz/DIN 45500) Reference: 15 W + 15 W (6 ohms, T.H.D. 10 %, 1 kHz/DIN 45324) MUSIC POWER: 27 W +27 W
Except AEP, UK models:	Rated: 36 W + 36 W (1 kHz, T.H.D. 1 %, 6 ohms) Reference: 45 W + 45 W (1 kHz, T.H.D. 10 %, 6 ohms)
Total harmonic distortion	0.08 % (6 W, 1 kHz, 6 ohms, DIN AUDIO)
Input	VIDEO/AUX: 400 mV MIC: 1.7 mV (10k ohms) (Except AEP, UK models)
Outputs	SPEAKER: 6 ohms or more PHONES: 32 ohms or more

CASSETTE DECK

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz – 8 kHz
Recording system	AC bias
Heads	Deck A: playback x 1 Deck B: recording/playback x 1, erase x 1

CD PLAYER

Laser	Semiconductor laser (λ = 780 nm) Emission duration: continuous
D/A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)

GENERAL

Power requirements	
AEP, UK models:	230 V AC, 50/60 Hz
E, E51, SP models:	110 - 120V / 220 - 240V AC (Switchable), 50 Hz/60 Hz
EA model:	120 - 127V / 220 V AC (Switchable), 50 Hz/60 Hz
TW model:	120 V AC, 50 Hz/60 Hz
AUS model:	240 V AC, 50 Hz/60 Hz
Power consumption	
AEP, UK models:	40 W
Except AEP, UK models:	74 W
Power consumption in standby mode	With ECO mode on: 0.25 W With ECO mode off: 15 W
Dimensions (W x H x D)	280 x 330 x 392.5 mm
Weight	
AEP, UK models:	6.1 kg
E51 model:	6.7 kg
E, EA, SP, TW, AUS models:	6.8 kg

Specifications and external appearance are subject to change without notice.

COPYRIGHT

Check copyright laws relevant to recordings from discs, tuner or tape for the country where the unit is to be used.

- Abbreviation
  AUS : Australian model
  E51 : Chilean and Peruvian models
  EA : Saudi Arabia model
  SP : Singapore model
  TW : Taiwan model

COMPACT DISC DECK RECEIVER

9-877-593-01
2004C05-1

Sony Corporation
Home Audio Company
Published by Sony Engineering Corporation

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

CAUTION Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TABLE OF CONTENTS

- Abbreviation
  AUS : Australian model
  E51 : Chilean and Peruvian models
  EA : Saudi Arabia model
  SP : Singapore model
  TW : Taiwan model

SECTION 1
SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Carry out the “S curve check” in “CD section adjustment” and check that the S curve waveforms is output three times.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

RELEASING THE DISC TRAY LOCK

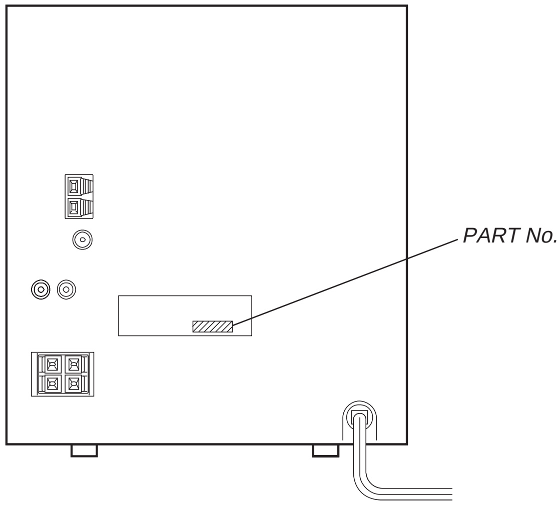
The disc tray lock function for the antitheft of an demonstration disc in the store is equipped.

Releasing Procedure :
While pressing the [■] key, press the [OPEN/CLOSE ⏏] key for 5 seconds. The message “UNLOCKED” is displayed and the tray is unlocked.

Note: When “LOCKED” is displayed, the tray lock is not released by turning power on/off with the [POWER] key.

- **MODEL IDENTIFICATION**

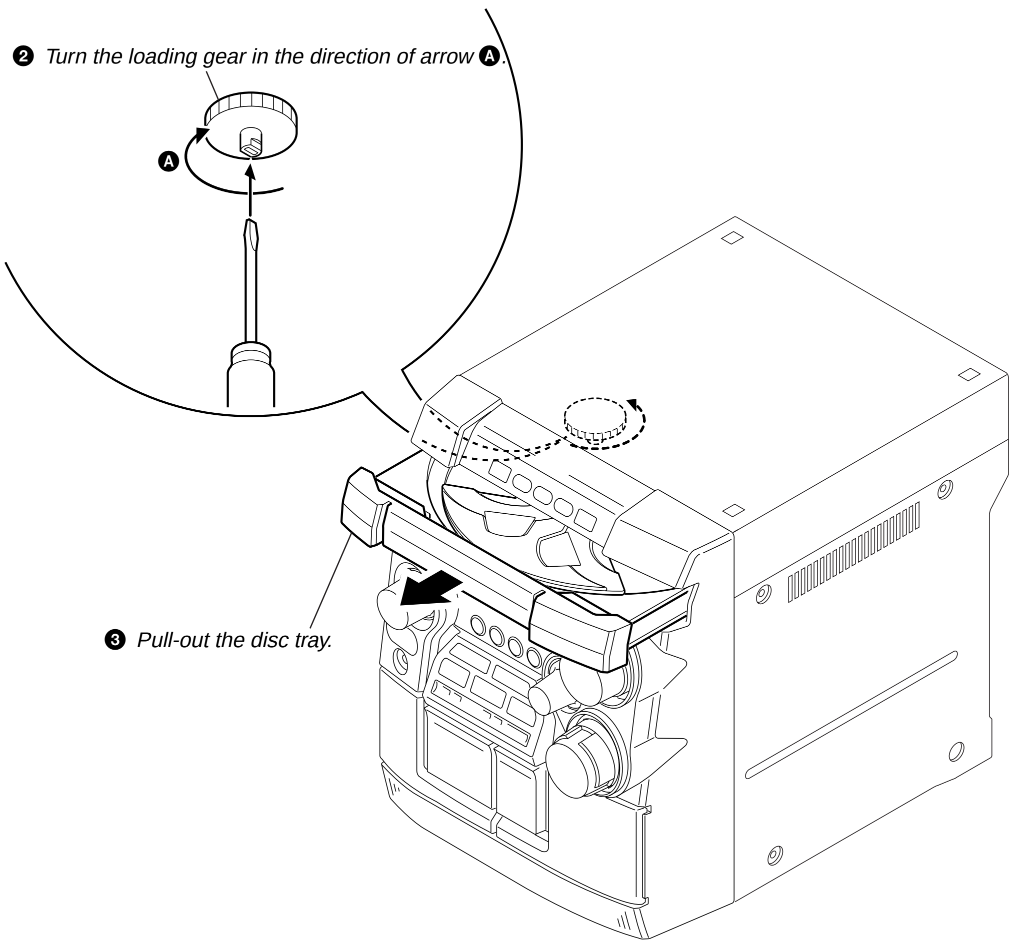
– Back Panel –



MODEL	PART No.
AEP and UK models	No model number label
Taiwan model	4-248-949-2
Singapore model	4-249-031-6
Australian model	4-249-128-2
Saudi Arabia model	4-249-129-6
E model	4-249-130-8
Chilean and Peruvian models	4-249-802-3

HOW TO OPEN THE DISC TRAY WHEN POWER SWITCH TURNS OFF.

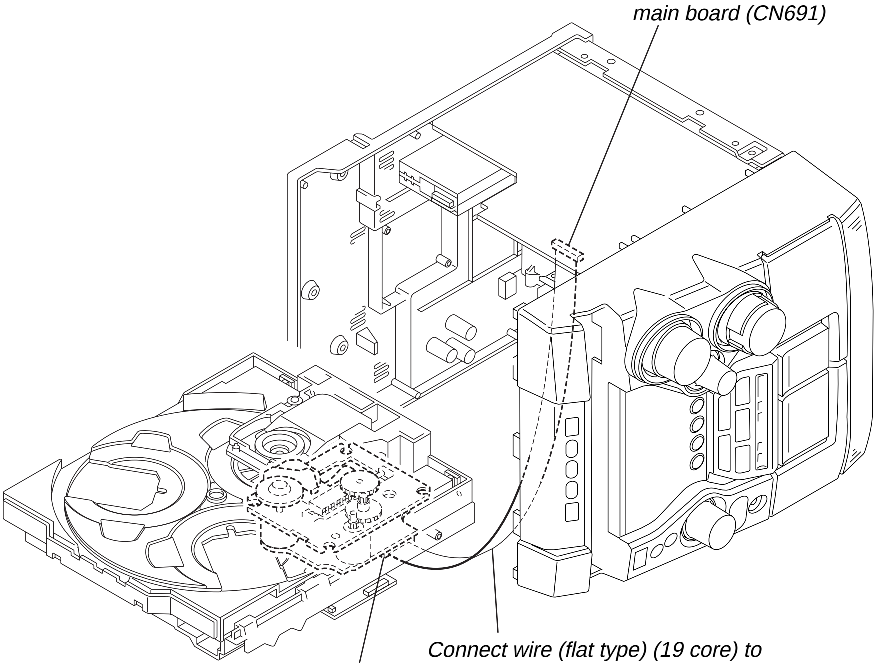
❶ *Remove the case (side-L).*



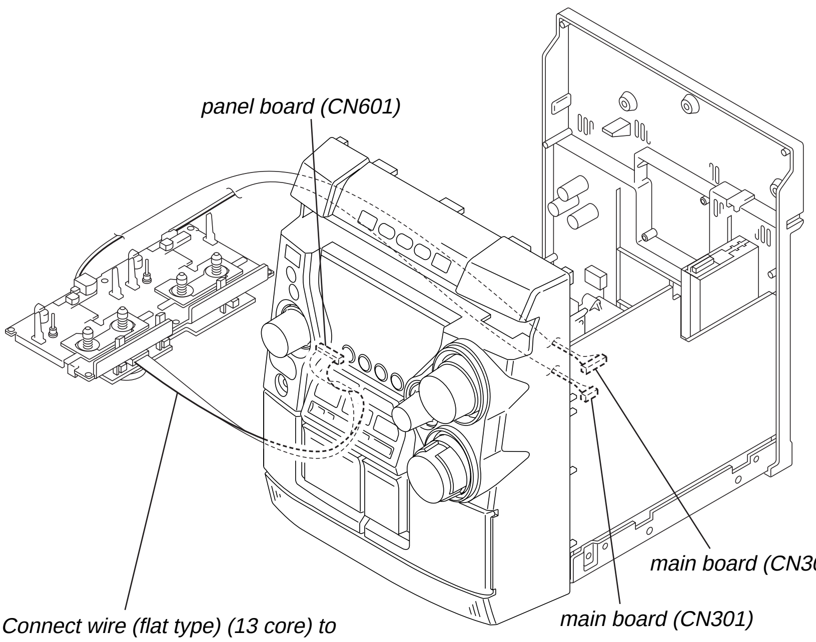
❷ *Turn the loading gear in the direction of arrow Ⓐ.*

❸ *Pull-out the disc tray.*

SERVICE POSITION
– CD mechanism deck –



– Tape mechanism deck –



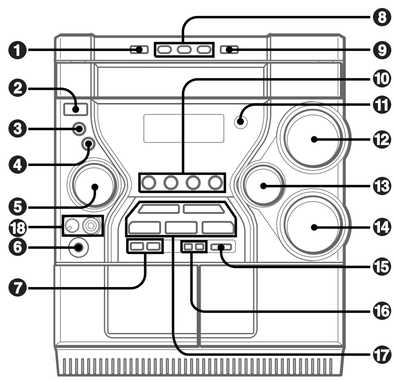
SECTION 2
GENERAL

This section is extracted from instruction manual.

• **LOCATION OF CONTROLS**

Main unit: front

Refer to the pages indicated in parentheses for details.



❶ **DISC CHANGE**
Rotates the CD trays.

❷ **POWER ⏻STANDBY/ON**
Switches the unit on and off (standby).
The red indicator flashes when receiving a signal from the remote.

❸ **MODE**
Selects various modes (ECO and Repeat/Shuffle/Programmed playback, etc.) when used in combination with ENTER and MULTI JOG.

❹ **ENTER**
Fixes the modes and the time (ECO, Repeat/Shuffle/Programmed playback, clock, and timer, etc.) when used in combination with ENTER and MULTI JOG.

❺ **MULTI JOG**
When used in combination with ENTER and MULTI JOG,
CD: selects a track and Repeat/Shuffle/Programmed playback.
Tuner: selects a preset station.
Tape: specifies tape length.
Clock and Timer: sets the time.
ECO and Dimmer: selects the mode.

❻ **PHONES jack**
Plug in here an optional headphones set with a mini stereo plug (ø3.5 mm). Speaker output is canceled.

❼ **SYNC DUB**
Starts dubbing a whole tape.

●REC/REC MUTING
Starts recording.

❽ **DISC DIRECT PLAY 1-3**
Selects a disc.

❾ **⏏OPEN/CLOSE**
Opens or closes the disc compartment.

❿ **TAPE A/B**
Selects Tape function, and deck A or B.

TUNER/BAND
Selects Tuner function and the radio band.

VIDEO/AUX
Selects the function of external equipment connected to VIDEO/AUX jacks.

CD
Selects CD function.

⓫ **Remote sensor**
Receives a signal from the remote.

⓬ **VOLUME**
Adjusts the volume.

⓭ **TREBLE**
Enhances high frequency sound.

⓮ **BASS**
Emphasizes low frequency sound.

⓯ **i-Bass**
Produces rich and clear low frequency sound.

⓰ **PTY (AEP, UK models)**
Displays a program type for RDS (Radio Data System)

RT (AEP, UK models)
Displays text information for RDS (Radio Data System)

⓱ **►PLAY/PRESET**
When the unit is turned off: activates or deactivates DEMO.
CD and Tape: starts playback.
Tuner: tunes into a preset station.

■STOP/CLEAR
CD and Tape: stops playback.
Tuner: clears a station preset.

◄◄TUNING DOWN, ►►TUNING UP
CD: searches a track in fast forward or fast reverse playback when held down.
Tape: fast forwards or rewinds the tape.
Tuner: manually tunes down or up within the band.

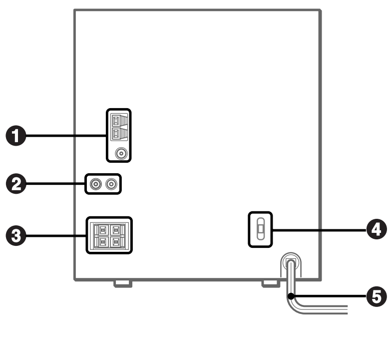
❚❚PAUSE/SET
CD and Tape: pauses playback.
Tuner: stores the received station in to preset.

⓲ **MIC MIXING (Except AEP, UK models)**
Adjusts the microphone volume.

MIC jack (Except AEP, UK models)
Connects the microphone here.

Main unit: rear

Refer to the pages indicated in parentheses for details.



❶ **AM LOOP, Y FM 75 Ω terminals**
Plug in the supplied AM and FM antennas here.

❷ **VIDEO/AUX jacks**
Accepts analog sound signals from external equipment. Connect using an optional connecting cable with RCA phono plugs (red plug to R jack, white plug to L jack). Refer also to the operating instructions of your equipment.
To switch function to external input, press VIDEO/AUX.

Tip:
To change the displayed name for this function, turn the unit on, then hold down VIDEO/AUX and press POWER on the unit. Repeat the procedure to select "VIDEO", "AUX" or "TV".

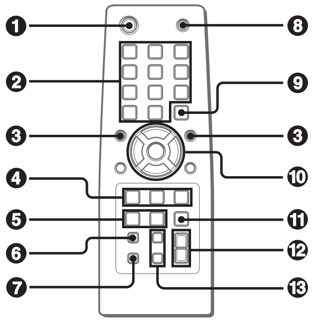
❸ **SPEAKER terminals**
Connect the speaker cord of the supplied front speakers here.

❹ **AC voltage selector (E, Saudi Arabia, Chilean, Peruvian, Singapore models)**
Switches AC voltage between 110 - 120V and 220 - 240V. (E, Chilean, Peruvian, Singapore models)
Switches AC voltage between 110 - 127V and 220 - 240V. (Saudi Arabia model)
Make sure it matches your local voltage.

❺ **AC power cord**

Remote control

Refer to the pages indicated in parentheses for details.



Buttons with the same or similar names with the main unit basically have the same function.

❶ **POWER**

❷ **1-0/10, +10**
CD: selects a CD track of the specified number.
Tuner: tunes in to the station with the specified preset number.

The numbered buttons take on these functions below when pressed with SHIFT held down:

EDIT
Enters AI Edit Recording or Programmed Edit Recording mode when pressed in stop mode.

BAND
Selects Tuner function and the radio band.

TAPE A/B

TUNER MODE
Switches between stereo or monaural FM reception.

❸ **⏮, ⏭**
CD: selects a track.
Tuner: selects a preset station.
Tape: specifies tape length.
BASS and TREBLE: adjusts the level.
Clock and Timer: sets the time.

❹ **PLAY MODE**
Selects Shuffle or Programmed playback in CD function.

REPEAT
Enters CD repeat playback mode.

ENTER

❺ **CLOCK/TIMER/SET**
Enters timer setting mode.

CLOCK/TIMER/SELECT
Selects timer playback, timer recording or timer off.

❻ **DISPLAY**
Displays the time and the remaining time for CD.

❼ **SHIFT**
Hold down when pressing a numbered button to change its function to that printed above the number.
e.g.)
"Press **SHIFT+BAND** on the remote" indicates "Hold down SHIFT and press '2' (BAND)". Doing so makes you be able to select Tuner function and the radio band. You can first press SHIFT, then a numbered button.

❽ **FUNCTION**
Switches the active function among CD, TAPE, TUNER and VIDEO (AUX or TV).

❾ **DISC SKIP**
Select a disc.

❿ **►/◄►**
When the unit is turned off: activates or deactivates DEMO.
CD and Tape: starts playback.

■
CD and Tape: stops playback.

◄◄, ►►
CD: searches a track in fast forward or fast reverse playback when held down.
Tape: fast forwards or rewinds the tape.
Tuner: manually tunes down or up within the band.

❚❚
CD and Tape: pauses playback.

⓫ **SLEEP**
Switches the sleep-timer on/off and selects the duration.

⓬ **VOLUME (+, –)**
Adjusts the volume.

⓭ **SOUND**
Selects BASS or TREBLE setting mode

CLEAR
Clears a track of the CD programmed playback and a Radio preset station.

Note

The buttons not explained above (**ALBUM** ∧, ∨, **SPECTRUM** and **KARAOKE**) do not operate for this unit.

Setting the clock

Use the remote.

1 Press CLOCK/TIMER/SET.
Go to step 3 when the time appears and the 'hour' flashes.

2 Press ⏮ or ⏭ repeatedly until "CLOCK SET" appears in the display and then press ENTER.

3 Press ⏮ or ⏭ repeatedly to set the hour and then press ENTER.

4 Press ⏮ or ⏭ repeatedly to set the minute and then press ENTER.
The time display stops flashing and the clock starts from 00 seconds.

• MULTI JOG is also available in place of ⏮ or ⏭.

To display the time
Press DISPLAY on the remote. The time will be displayed for 6 seconds.

Tip: (Except AEP, UK models)
"AM 12:00" indicates midnight and "PM 12:00" noon.

If "- -:- -" appears when the unit is turned off
There has been a power interruption. Re-set the clock.

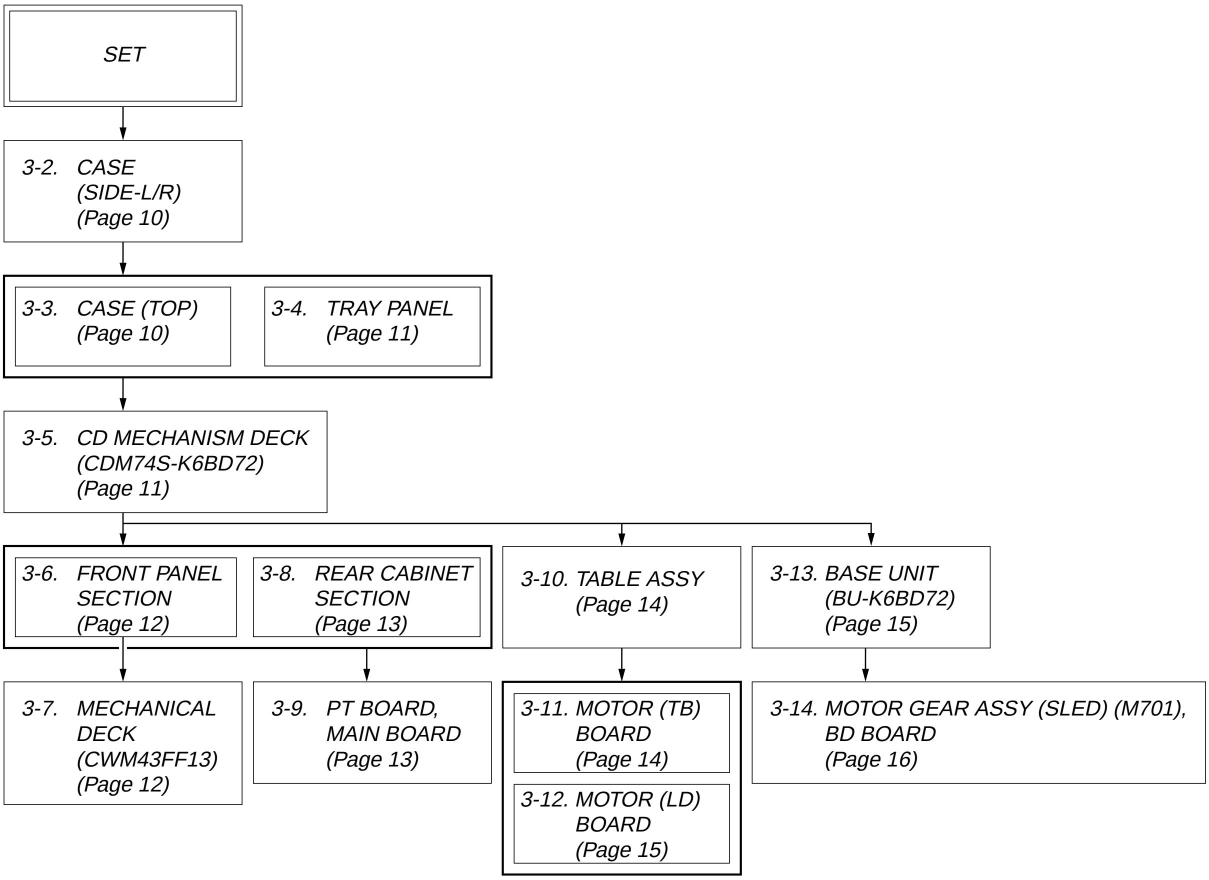
SECTION 3
DISASSEMBLY

• This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

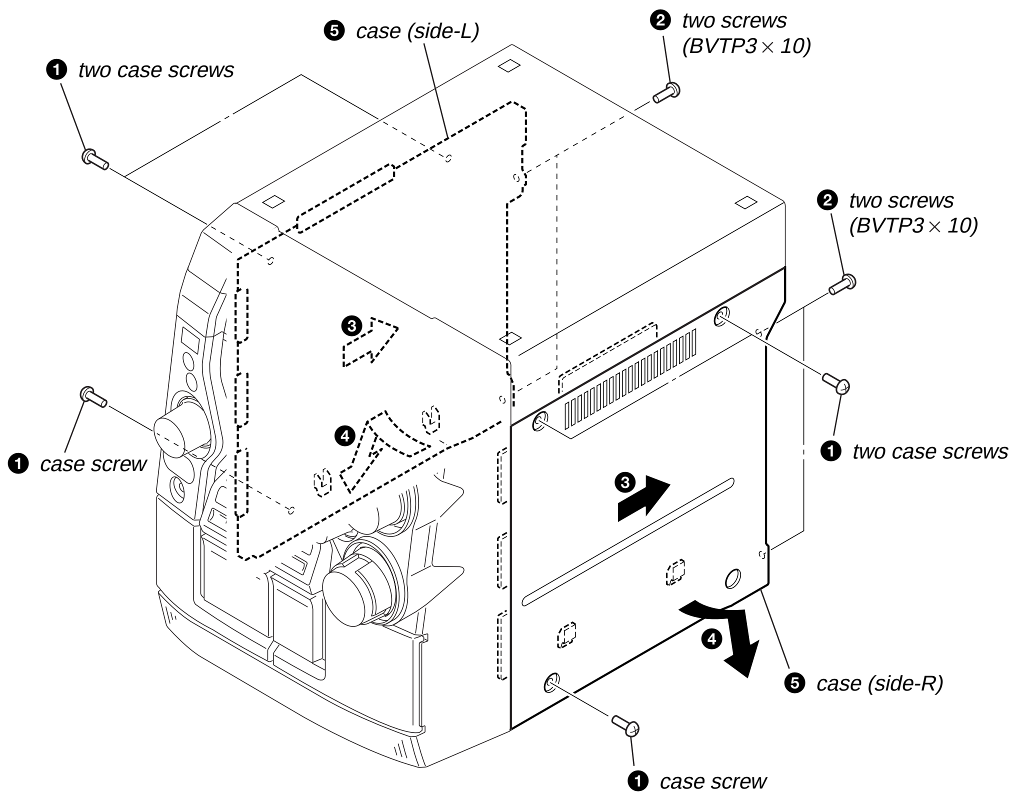
Note 1: *The process described in can be performed in any order.*

Note 2: *Without completing the process described in , the next process can not be performed.*

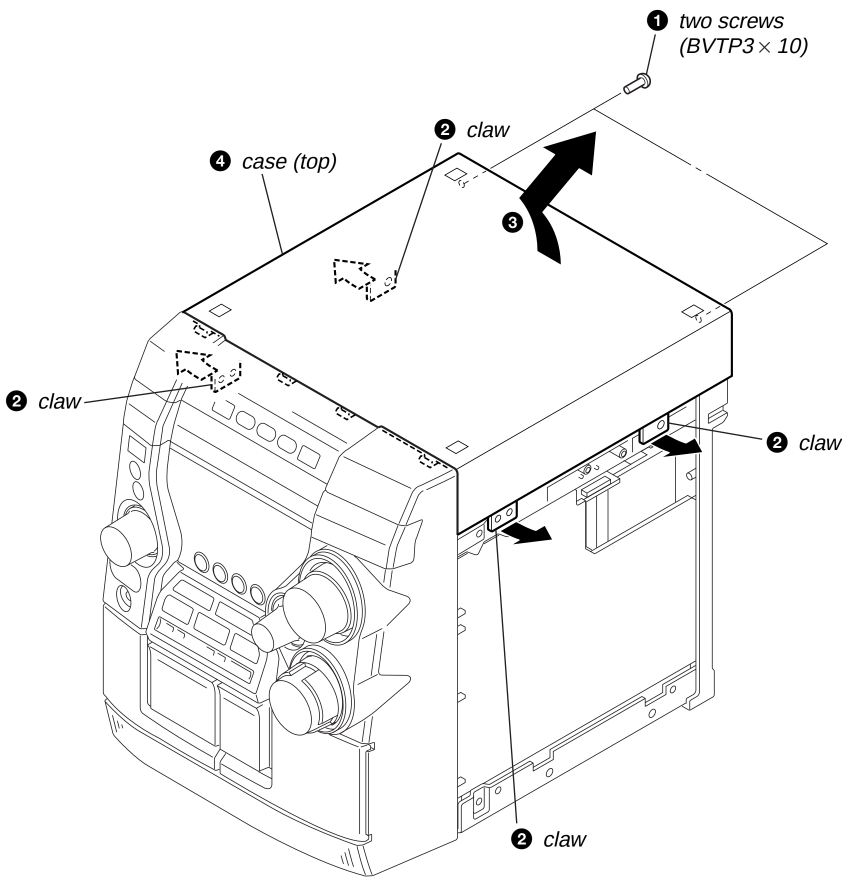


Note: Follow the disassembly procedure in the numerical order given.

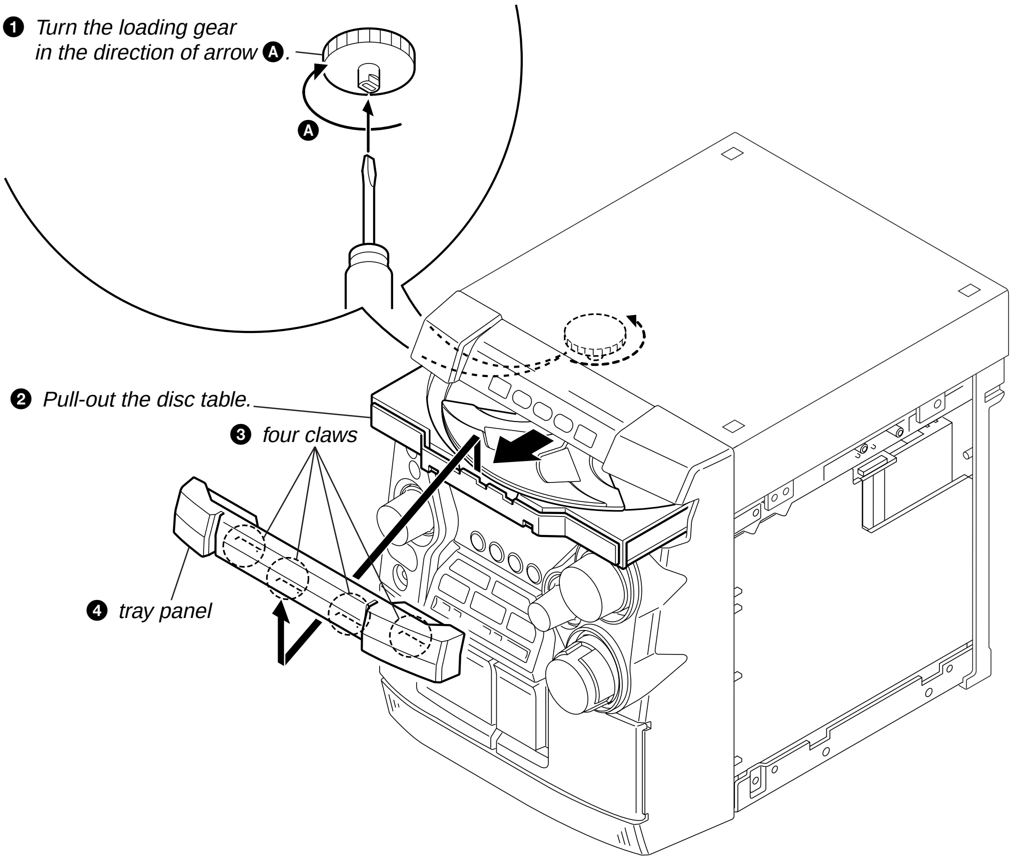
3-2. CASE (SIDE-L/R)



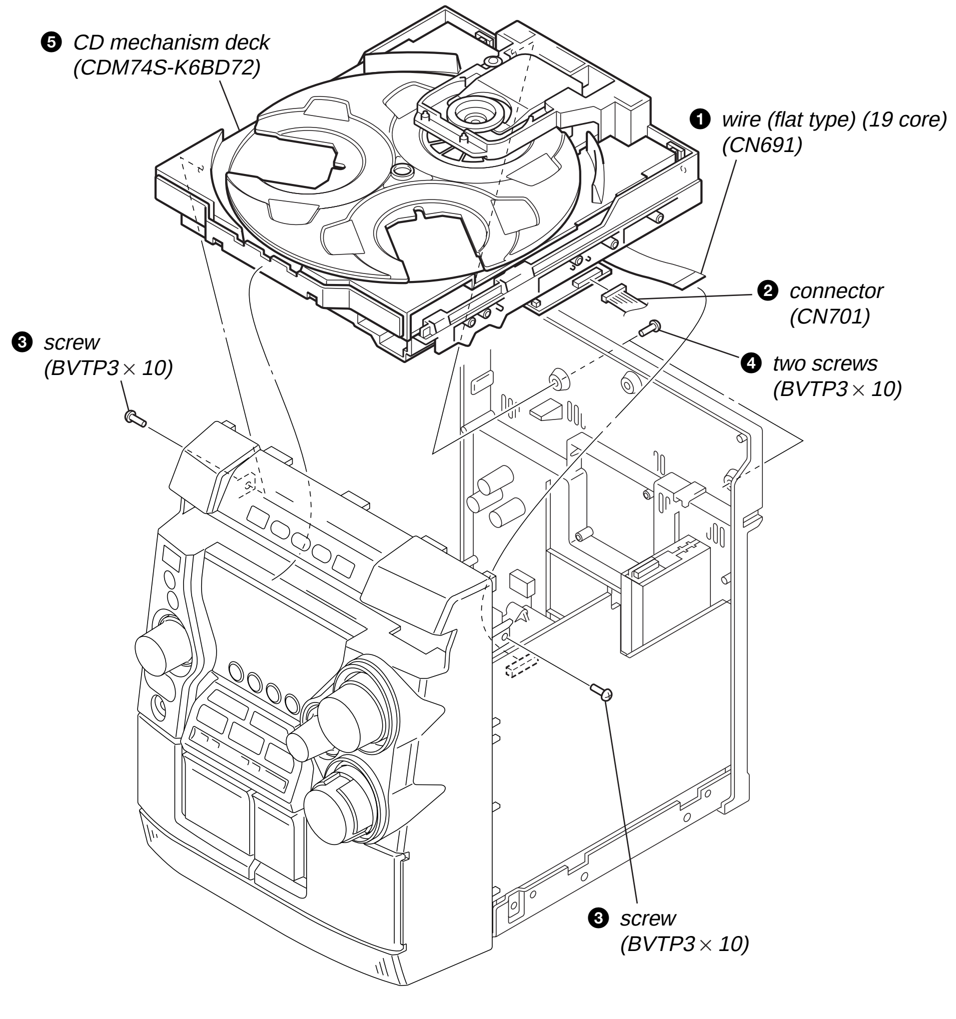
3-3. CASE (TOP)



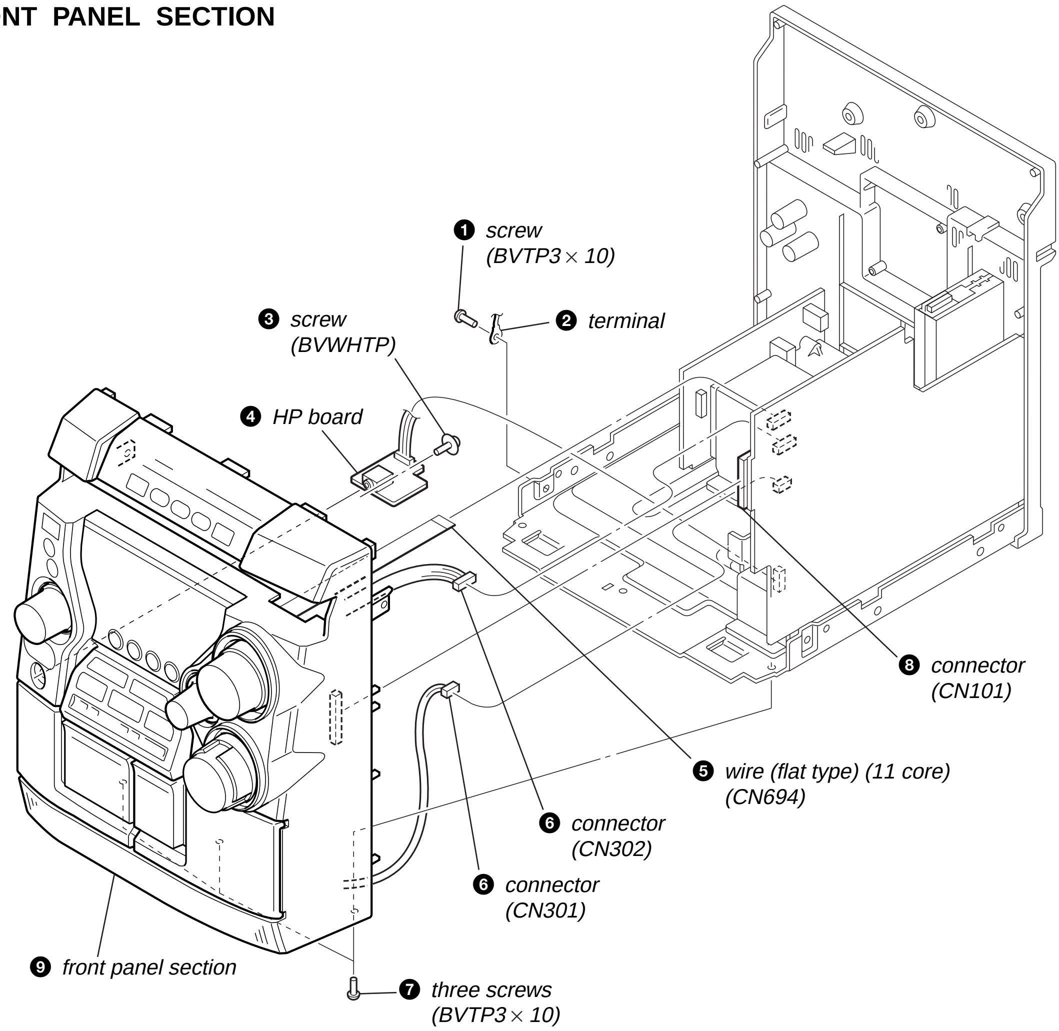
3-4. TRAY PANEL



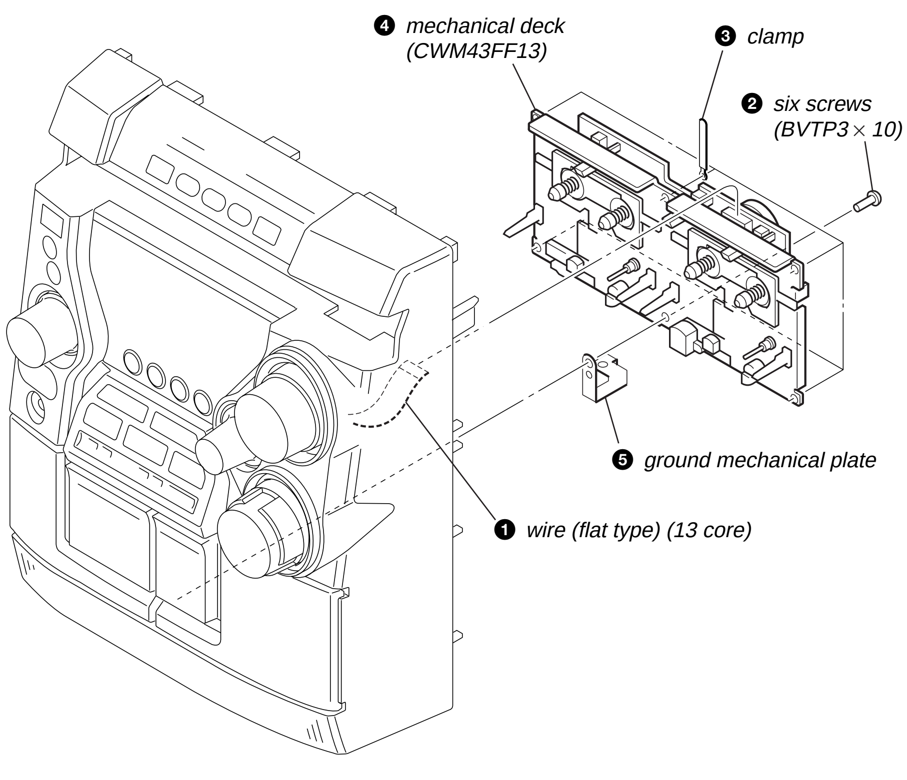
3-5. CD MECHANISM DECK (CDM74S-K6BD72)



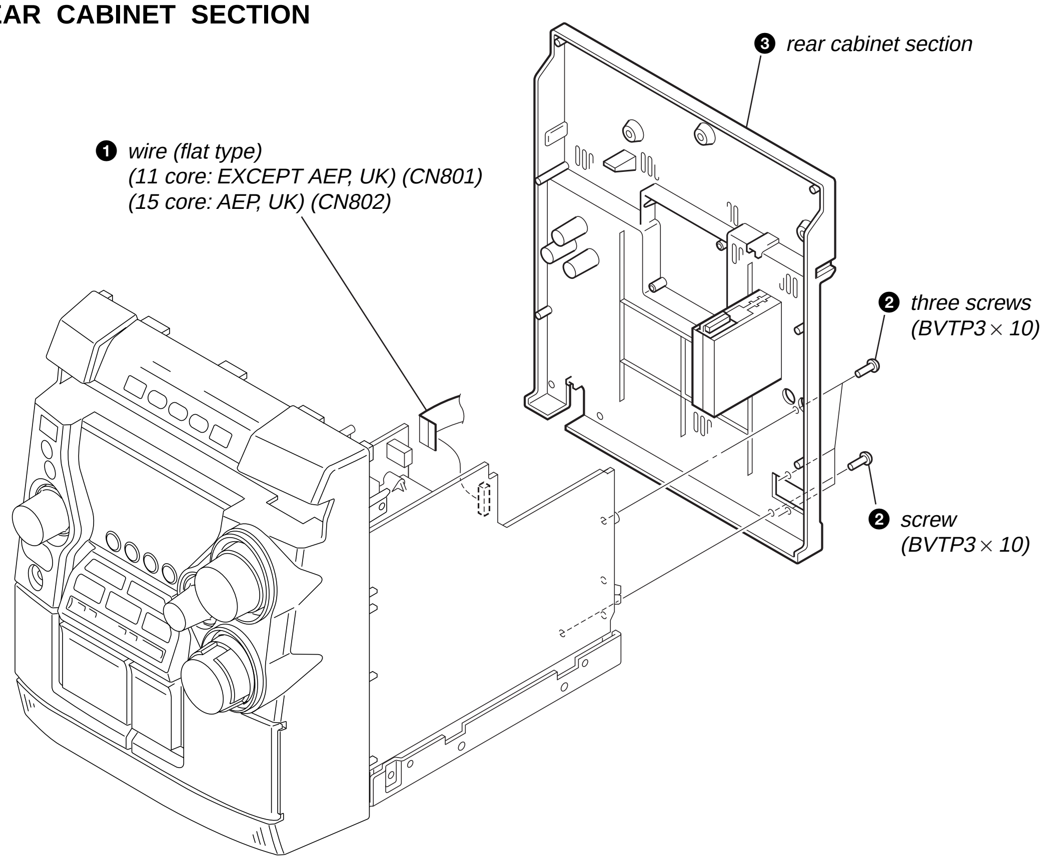
3-6. FRONT PANEL SECTION



3-7. MECHANICAL DECK (CWM43FF13)



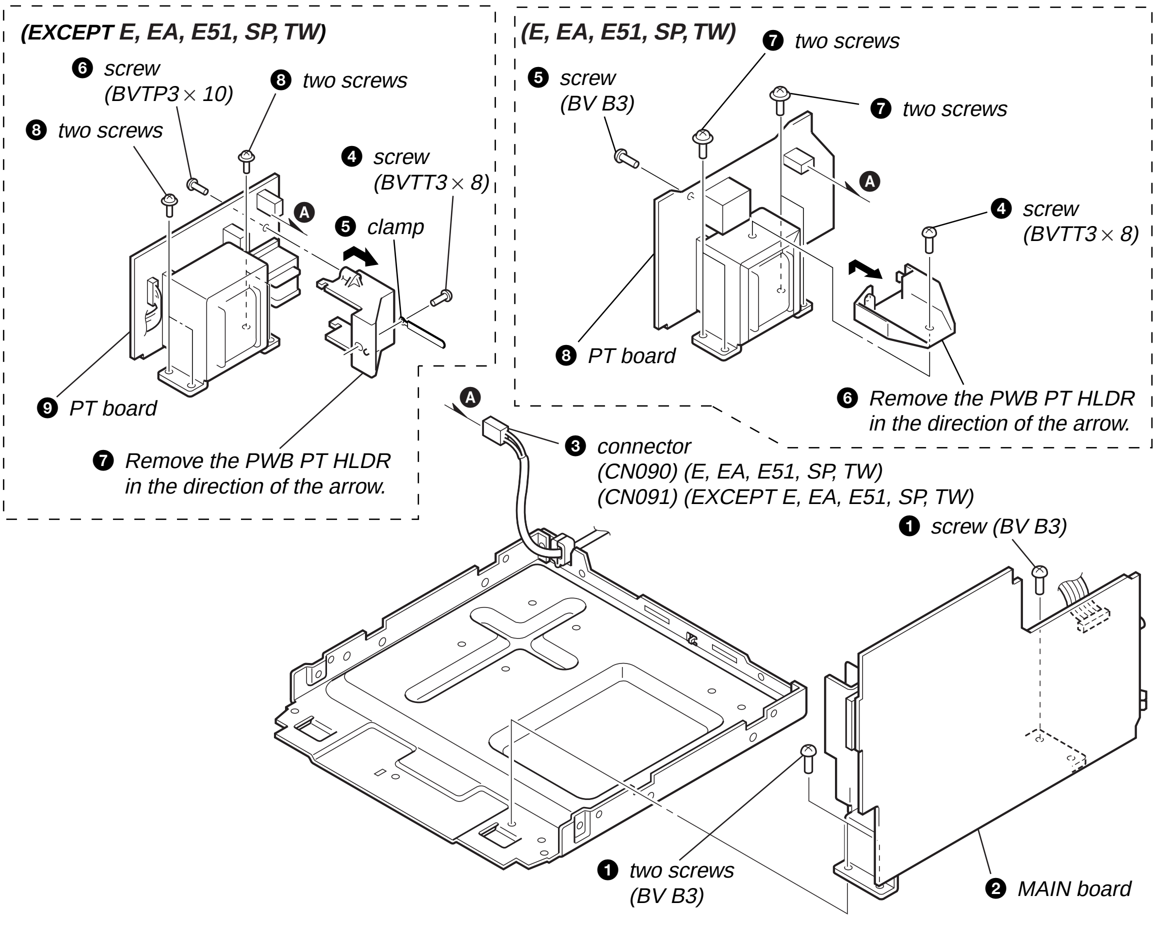
3-8. REAR CABINET SECTION



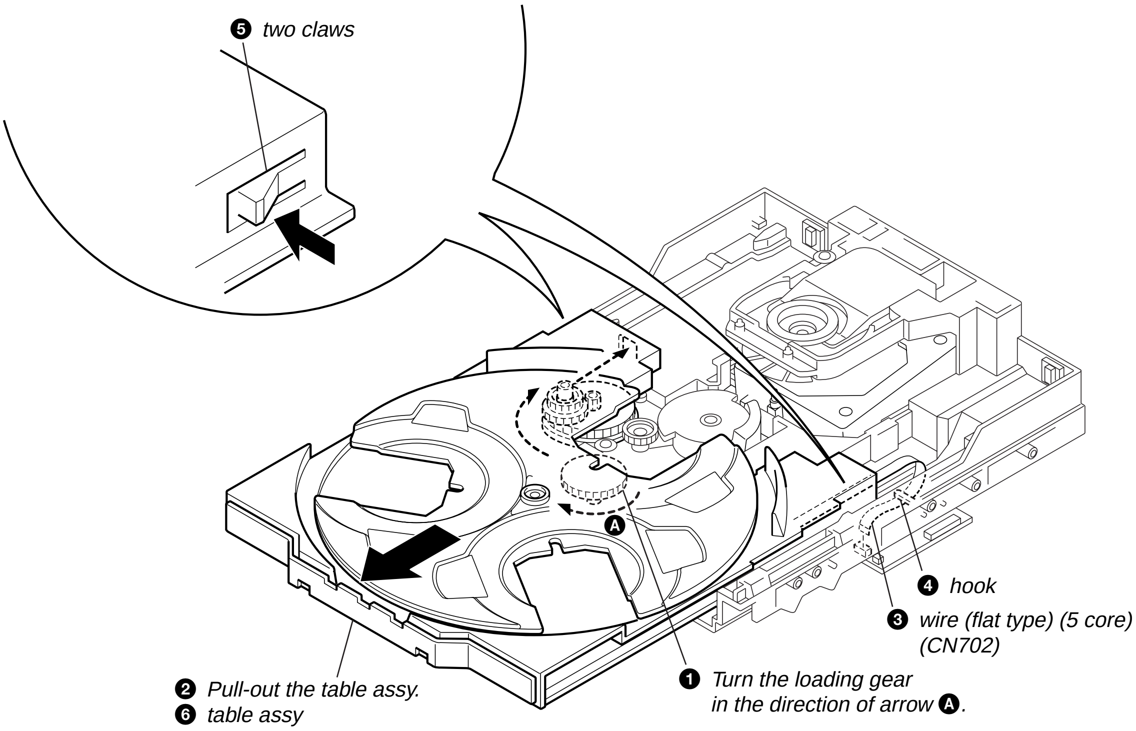
3-9. PT BOARD, MAIN BOARD

- *Abbreviation*

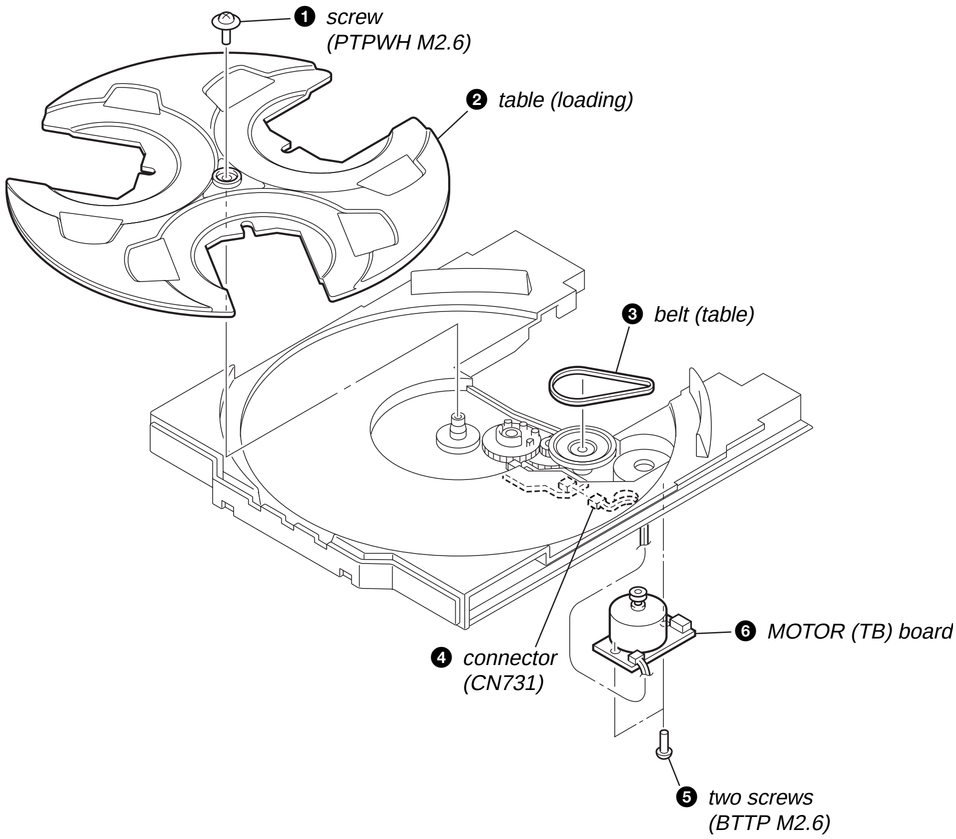
E51	: Chilean and peruvian models	SP	: Singapore model
EA	: Saudi Arabia model	TW	: Taiwan model



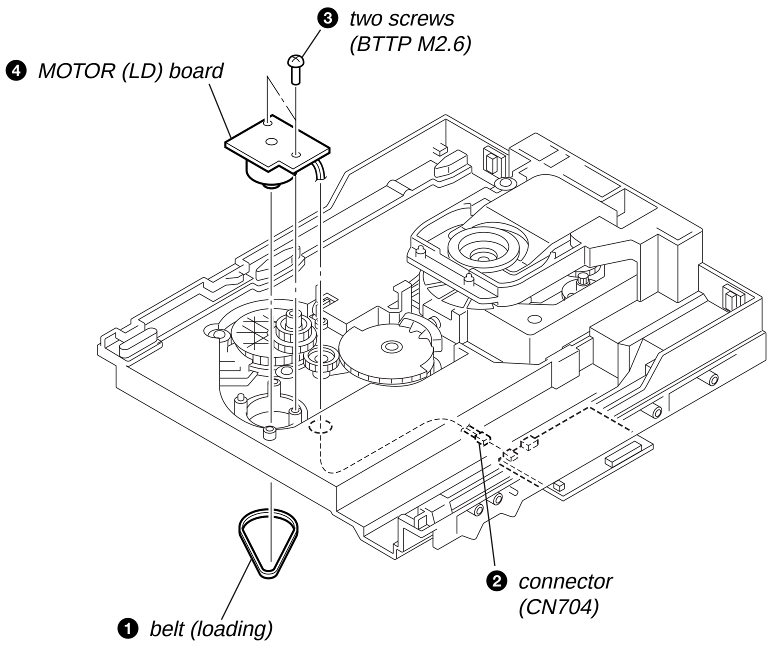
3-10. TABLE ASSY



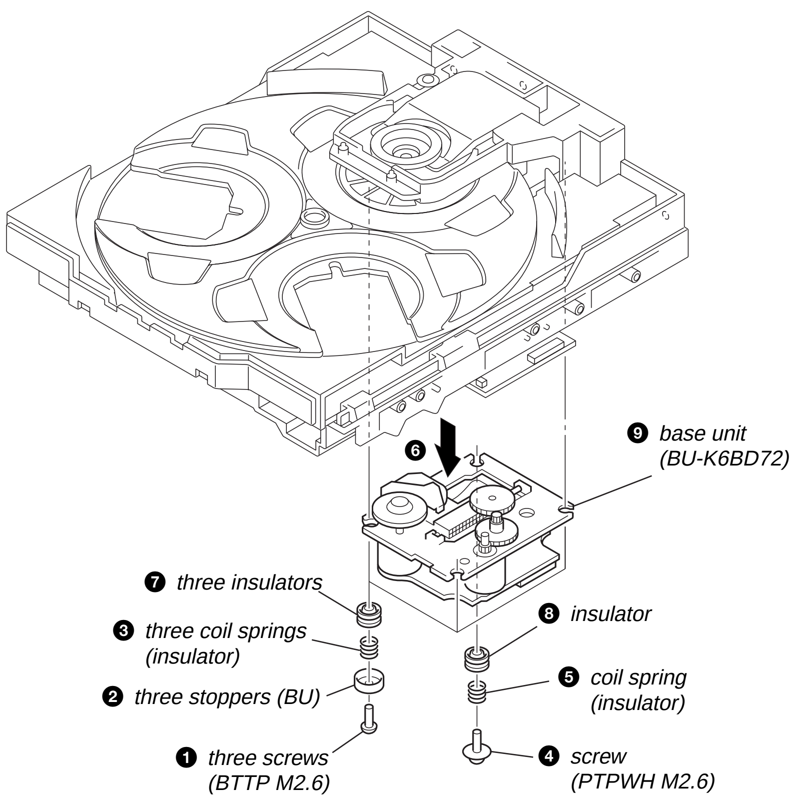
3-11. MOTOR (TB) BOARD



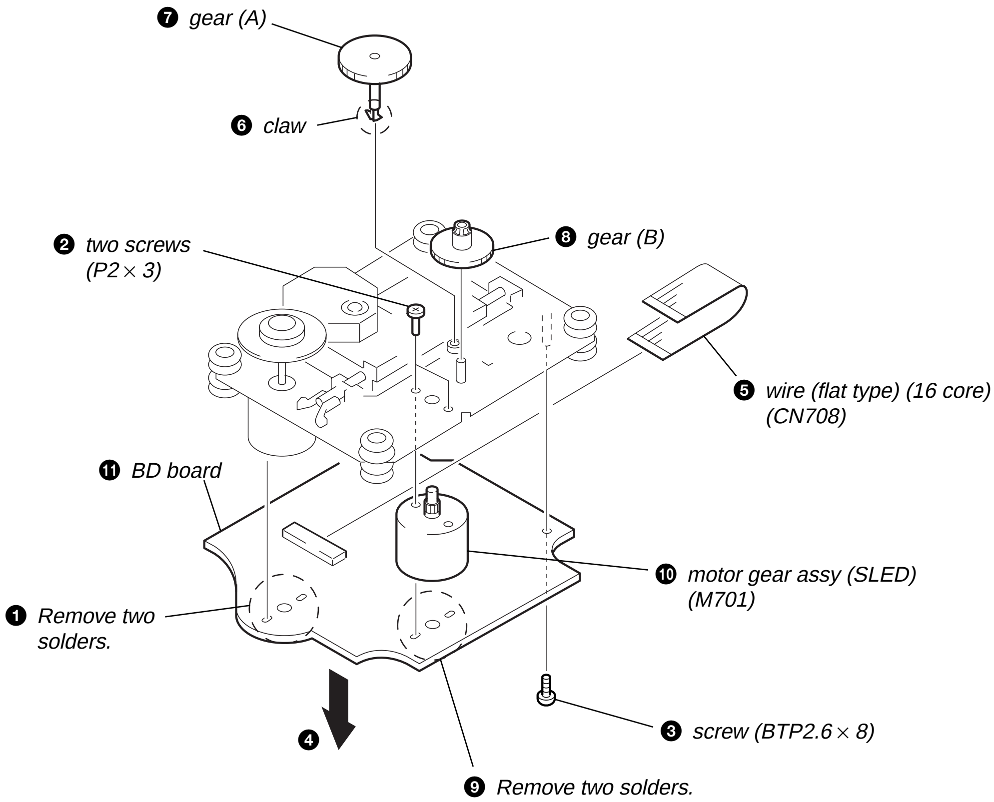
3-12. MOTOR (LD) BOARD



3-13. BASE UNIT (BU-K6BD72)



3-14. MOTOR GEAR ASSY (SLED) (M701), BD BOARD



SECTION 4
TEST MODE

MC COLD RESET

- The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customer.

Procedure:

1. In the standby status, while pressing the [■] button, press the [POWER] button.
2. The set is reset, then becomes standby status.

GC TEST MODE

Procedure:

1. Press the [POWER] button to turn the power on.
2. While pressing the [■] button, press the [POWER] button for 5 seconds.
3. It change displays in order of model type, version and suffix at 2 seconds interval, then the display is back to normal status.

AMP TEST MODE

Procedure:

1. In the status where AC plug is disconnected, while pressing the [VIDEO/AUX] button, connect the AC plug to turn the power on. Then enter the AMP test mode and display "AMP TEST".
2. If turn the [VOLUME] knob clockwise, it displays "VOLUME MAX", and if turn the knob counterclockwise, it displays "VOLUME 0".
3. If the [TREBLE] and [BASS] knobs are turned clockwise or counterclockwise, it change displays in order of "EQ MAX", "EQ MIN" and "EQ FLAT".
4. To release from this mode, disconnect the AC plug and turn the power off.

DISC TRAY LOCK

Procedure:

1. Press the [POWER] button to turn the power on.
2. While pressing the [■] button, press the [OPEN/CLOSE ⏏] button for 5 seconds.
3. The message "LOCKED" is displayed and the tray is locked. (Even if exiting from this mode, the tray is still locked)
4. To release this lock, while pressing the [■] button, press the [OPEN/CLOSE ⏏] button for 5 again.
5. The message "UNLOCKED" is displayed and the tray is unlocked.

CD REPEAT 5 LIMIT CANCEL MODE

- Number of repeat for CD playback is 5 times when the repeat mode is "REPEAT". This mode enables CD to repeat playback for limitless times.

Procedure:

1. Press the [POWER] button to turn the power on.
2. In the repeat on status, while pressing the [■] button, press the [CD] button to enter the CD repeat 5 limit cancel mode and repeat mark blinks on the fluorescent indicator tube.
3. To release this mode, press the [POWER] button to turn the power off.

CHANGE-OVER OF AM TUNER STEP BETWEEN 9 kHz AND 10 kHz (Except AEP and UK models)

- A step of AM channels can be changed over between 9 kHz and 10 kHz.

Procedure:

1. Press the [POWER] button to turn the power on.
2. While pressing the [TUNER] button, press the [POWER] button to the display on fluorescent indicator tube changes to "AM 530 kHz" (10 kHz step) or "AM 531 kHz" (9 kHz step), and thus the channel step is changed over.

FUNCTION CHANGE MODE

- Select either TV, VIDEO or AUX (MD) of the external function input.

Procedure:

1. Press the [POWER] button to turn the power on.
2. While pressing the [VIDEO/AUX] button, press the [POWER] button.
3. Each time this operation is operated, it change displays in order of "TV", "VIDEO" and "AUX".

CD TEST MODE

- This mode can run the CD sled motor freely. Use this mode, for instance, when cleaning the pickup.

Procedure:

1. In the status where AC plug is disconnected, while pressing the [CD] button, connect the AC plug to turn the power on.
2. When enter this mode, it displays "CD TEST" and few seconds later, all segments turn on of the fluorescent indicator tube.
3. To release from this mode, disconnect the AC plug and turn the power off.

In this mode, it operates as following table.

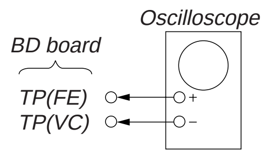
Button	Operation	Purpose of use
▶▶	Move the pick-up to outside track	Sled circuit check Tracking circuit check Mechanism operation check Optical pick-up check
◀◀	Move the pick-up to inside track	
▶	Playback a CD If it cannot focus on, it continuous focus search	Servo block check
■	When playback a CD: stop playback When stop a CD: display "READING" (blink) continuous laser diode on continuous focus search (not made focus on)	APC circuit check Laser current measure Focus search waveform check Tracking balance check
❚❚	Pause, Tracking servo off (ignore CLV error)	

SECTION 5
ELECTRICAL ADJUSTMENTS

CD SECTION

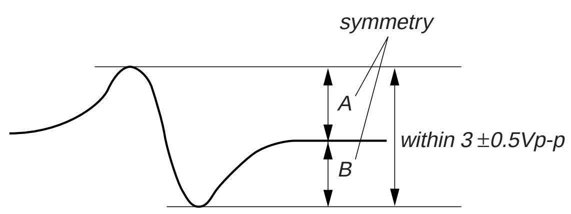
Note:
1. CD Block is basically designed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than 10MΩ impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

S-CURVE CHECK



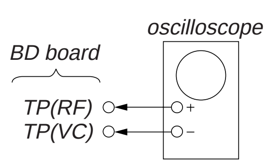
Procedure :
1. Connect an oscilloscope to TP (FE) and TP (VC).
2. Turn the power on.
3. Load a disc (YEDS-18) and actuate the focus search. (In consequence of open and close the disc tray, actuate the focus search)
4. Confirm that the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within 3 ± 0.5 Vp-p.

S-curve waveform



Note:
- Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7.
- Take sweep time as long as possible and light up the brightness to obtain best waveform.

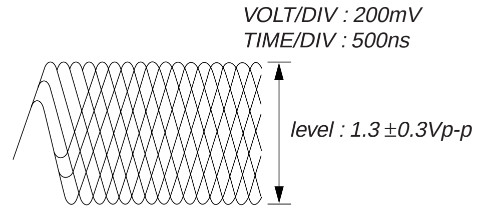
RF LEVEL CHECK



Procedure :
1. Connect an oscilloscope to TP (RF) and TP (VC).
2. Turn the power on.
3. Load a disc (YEDS-18) and playback.
4. Confirm that oscilloscope waveform is clear and check if RF signal level is correct or not.

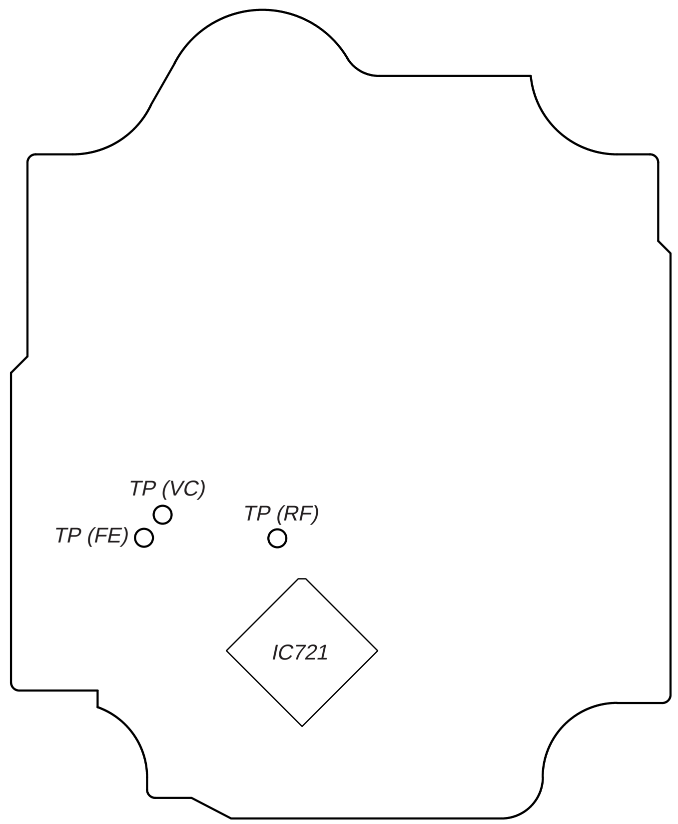
Note: Clear RF signal waveform means that the shape “ ◊ ” can be clearly distinguished at the center of the waveform.

RF signal waveform



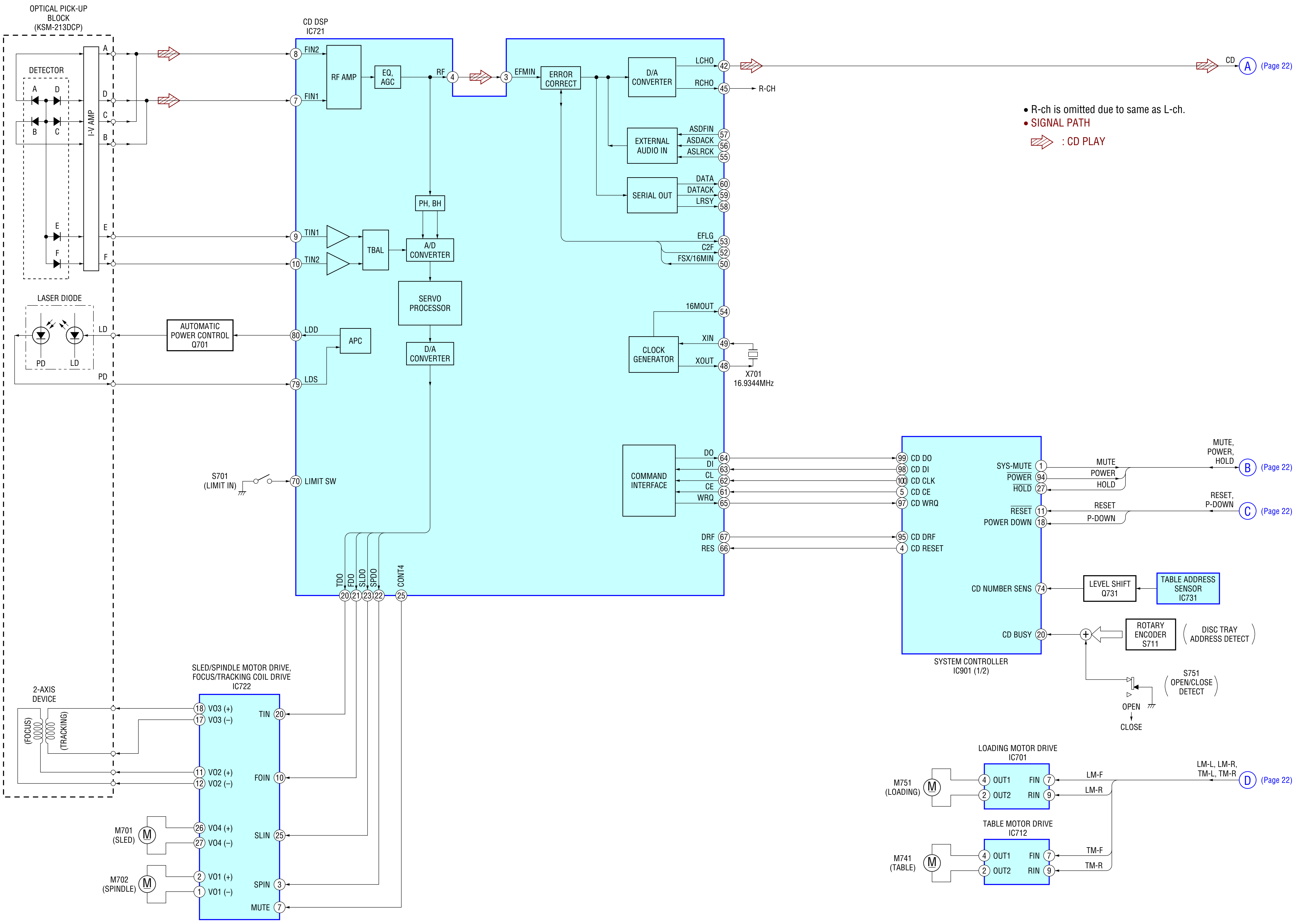
Connecting Location: BD board

– BD Board (Conductor side) –

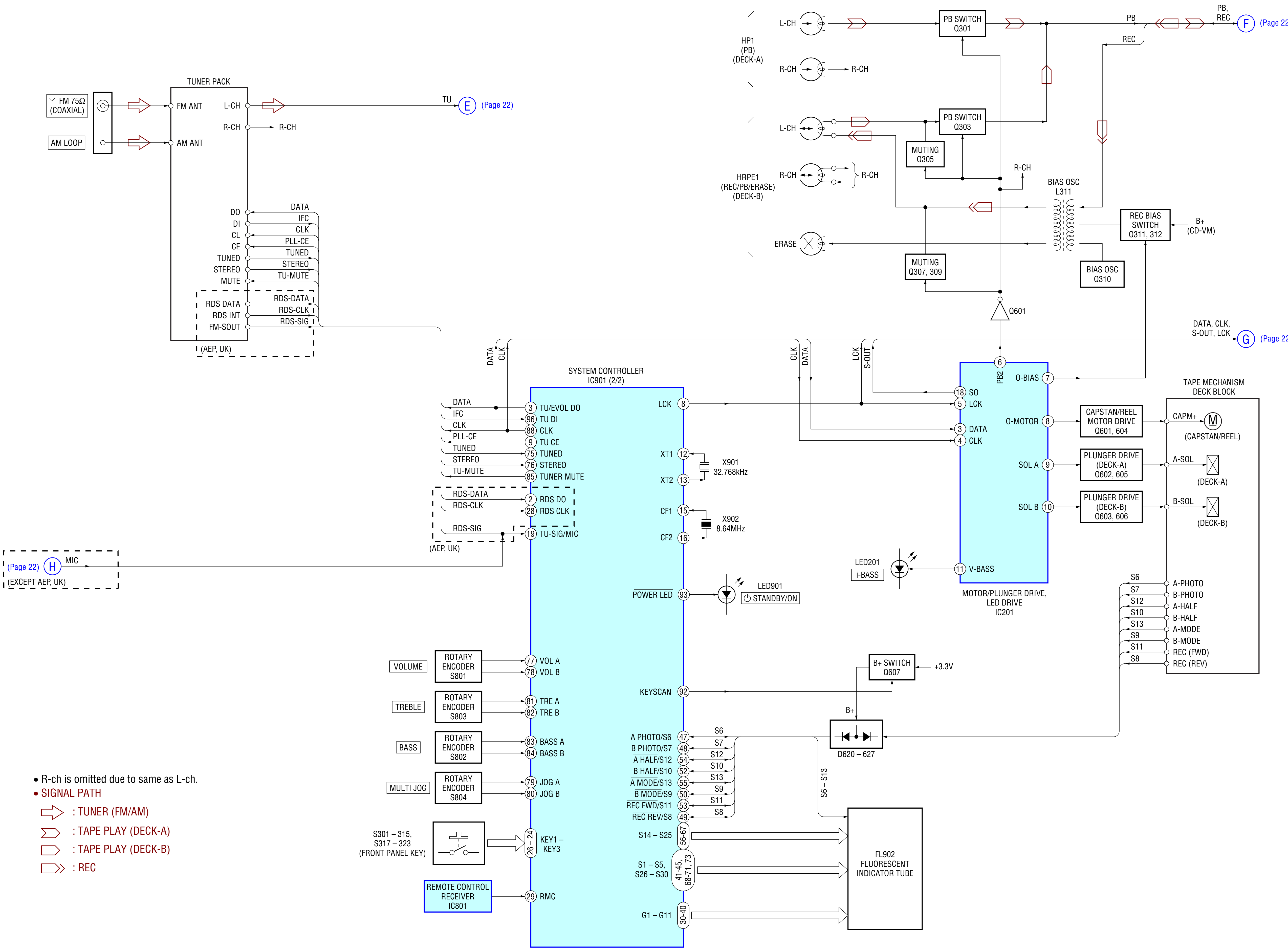


SECTION 6
DIAGRAMS

6-1. BLOCK DIAGRAM – CD Section –

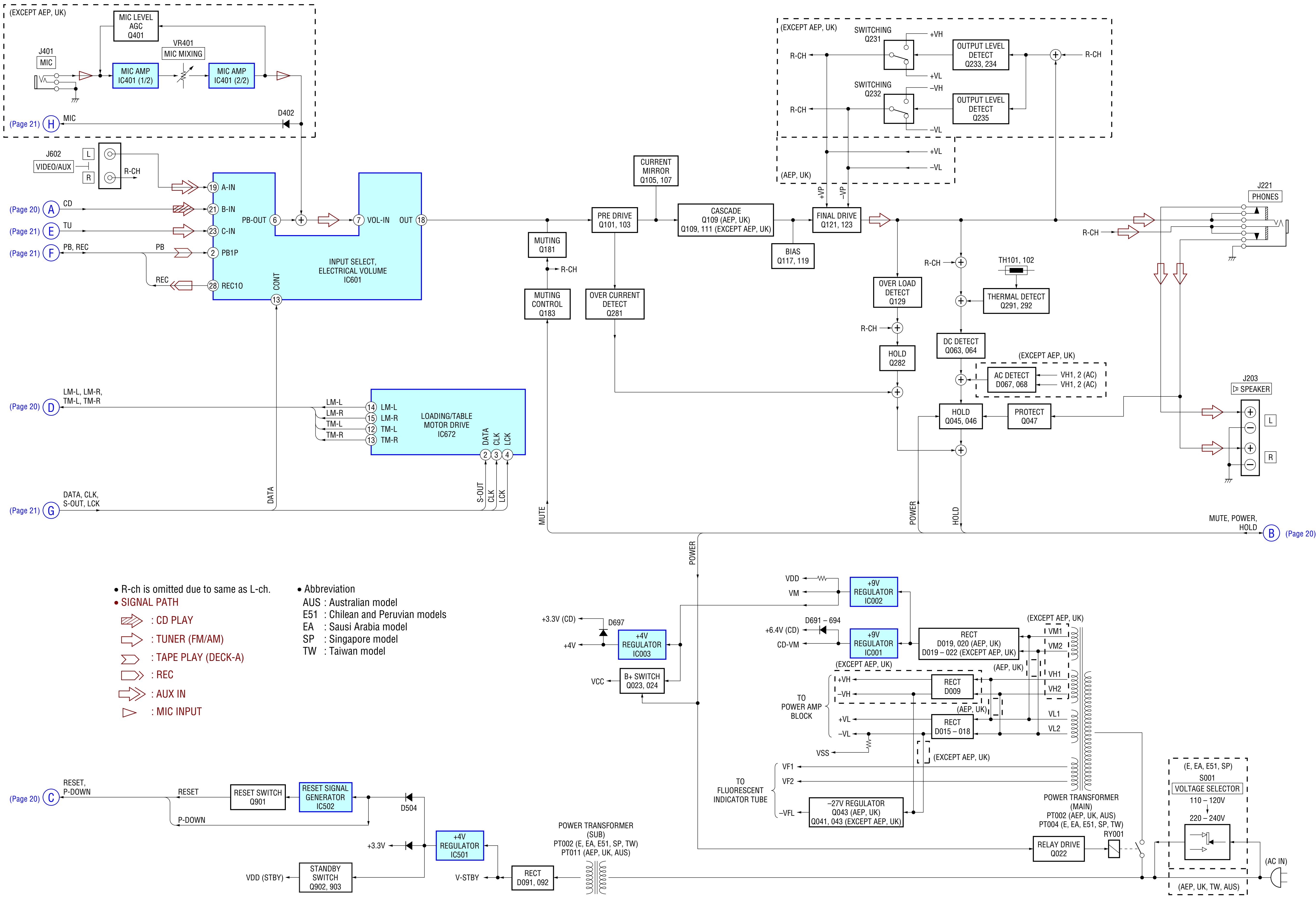


6-2. BLOCK DIAGRAM – TUNER/TAPE/PANEL Section –



- R-ch is omitted due to same as L-ch.
- SIGNAL PATH
  - : TUNER (FM/AM)
  - : TAPE PLAY (DECK-A)
  - : TAPE PLAY (DECK-B)
  - : REC

6-3. BLOCK DIAGRAM – AMP/POWER SUPPLY Section –



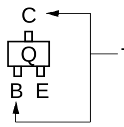
- R-ch is omitted due to same as L-ch.
- SIGNAL PATH
  - : CD PLAY
  - : TUNER (FM/AM)
  - : TAPE PLAY (DECK-A)
  - : REC
  - : AUX IN
  - : MIC INPUT

- Abbreviation
  - AUS : Australian model
  - E51 : Chilean and Peruvian models
  - EA : Sausi Arabia model
  - SP : Singapore model
  - TW : Taiwan model

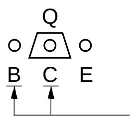
6-4. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:
- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.
- ▬ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)
- Indication of transistor.



These are omitted.



These are omitted.

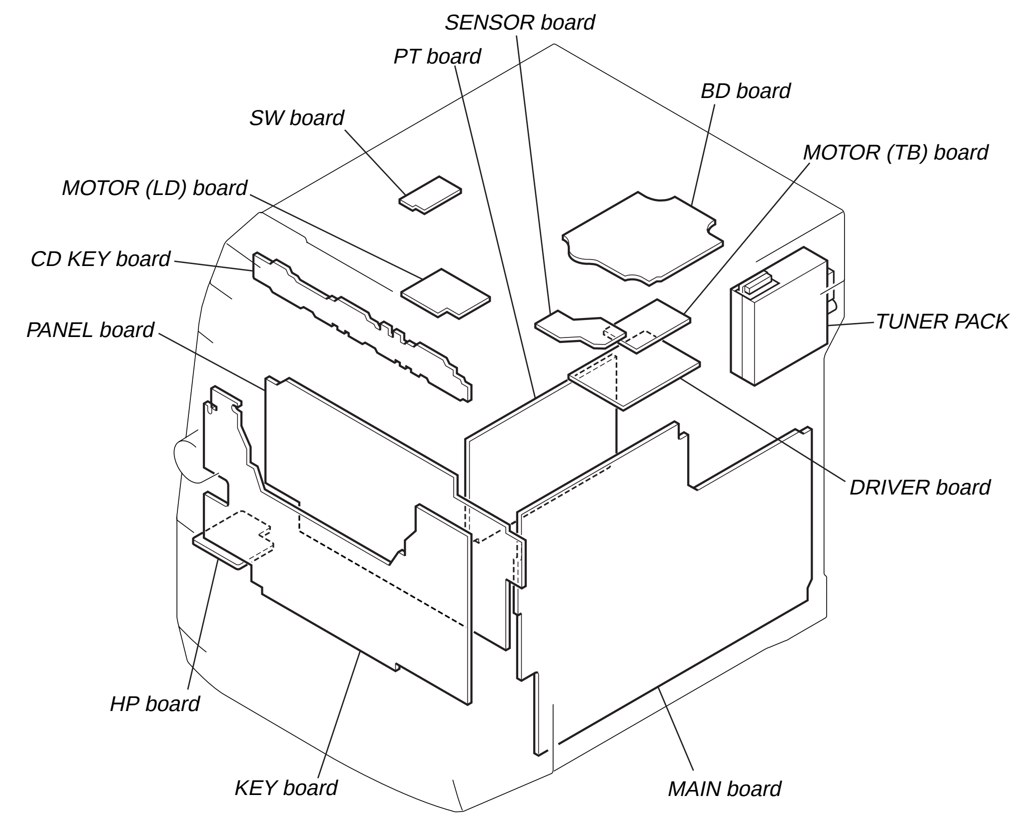
Note on Schematic Diagram:
- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $^1/_4$ W or less unless otherwise specified.
- : nonflammable resistor.
- : fusible resistor.
- ▭ : panel designation.

> **Note:** The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
> Replace only with part number specified.

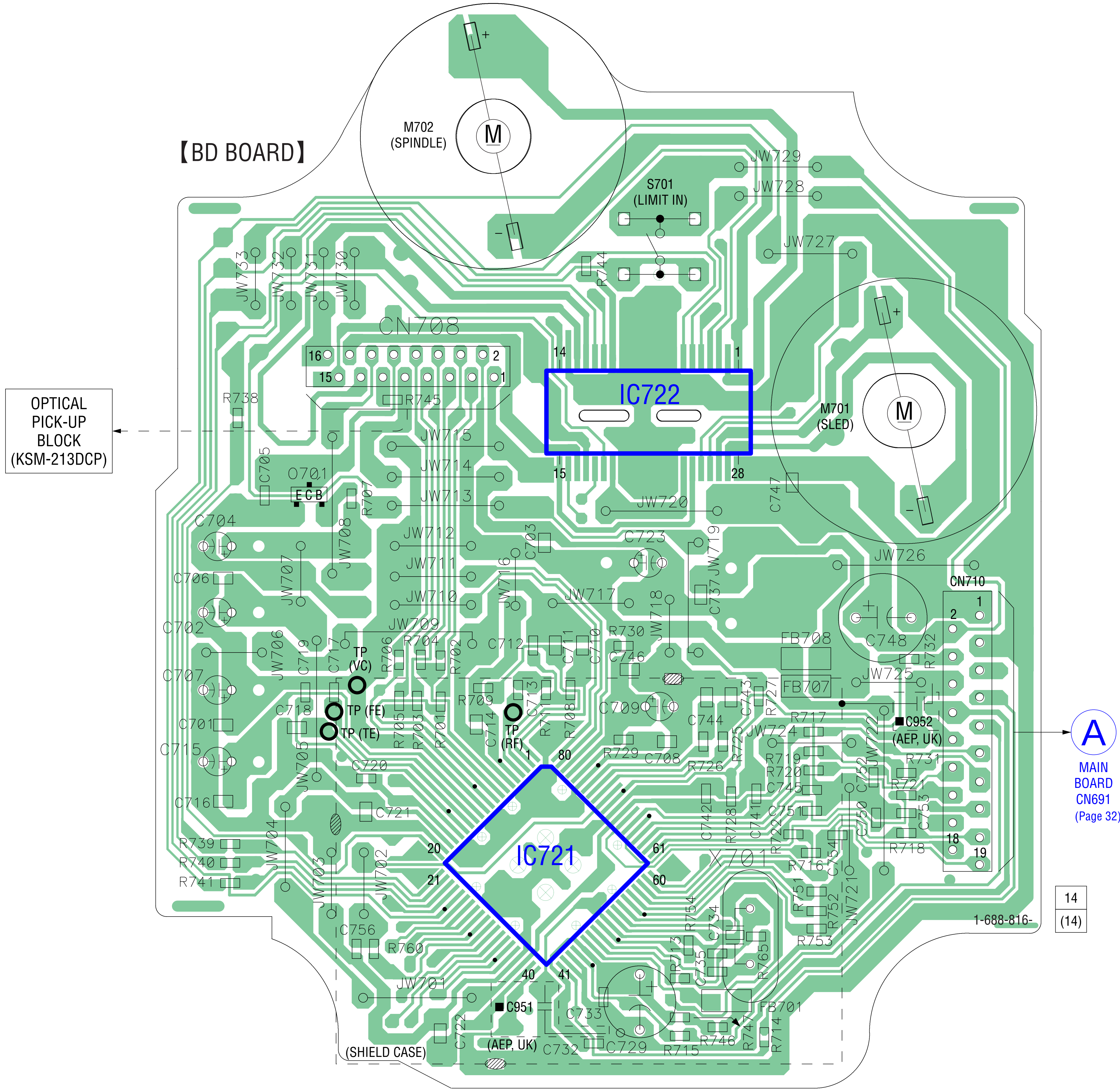
- ▬▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  – BD Section –
  no mark : CD PLAY
  – Other Sections –
  no mark : FM
  ✻ : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : TUNER (FM/AM)
  : TAPE PLAY (DECK-A)
  : TAPE PLAY (DECK-B)
  : REC
  : CD PLAY
  : AUX IN
  : MIC INPUT
- Abbreviation

AUS	: Australian model
E51	: Chilean and Peluvian models
EA	: Saudi Arabia model
SP	: Singapore model
TW	: Taiwan model

- **Circuit Boards Location**

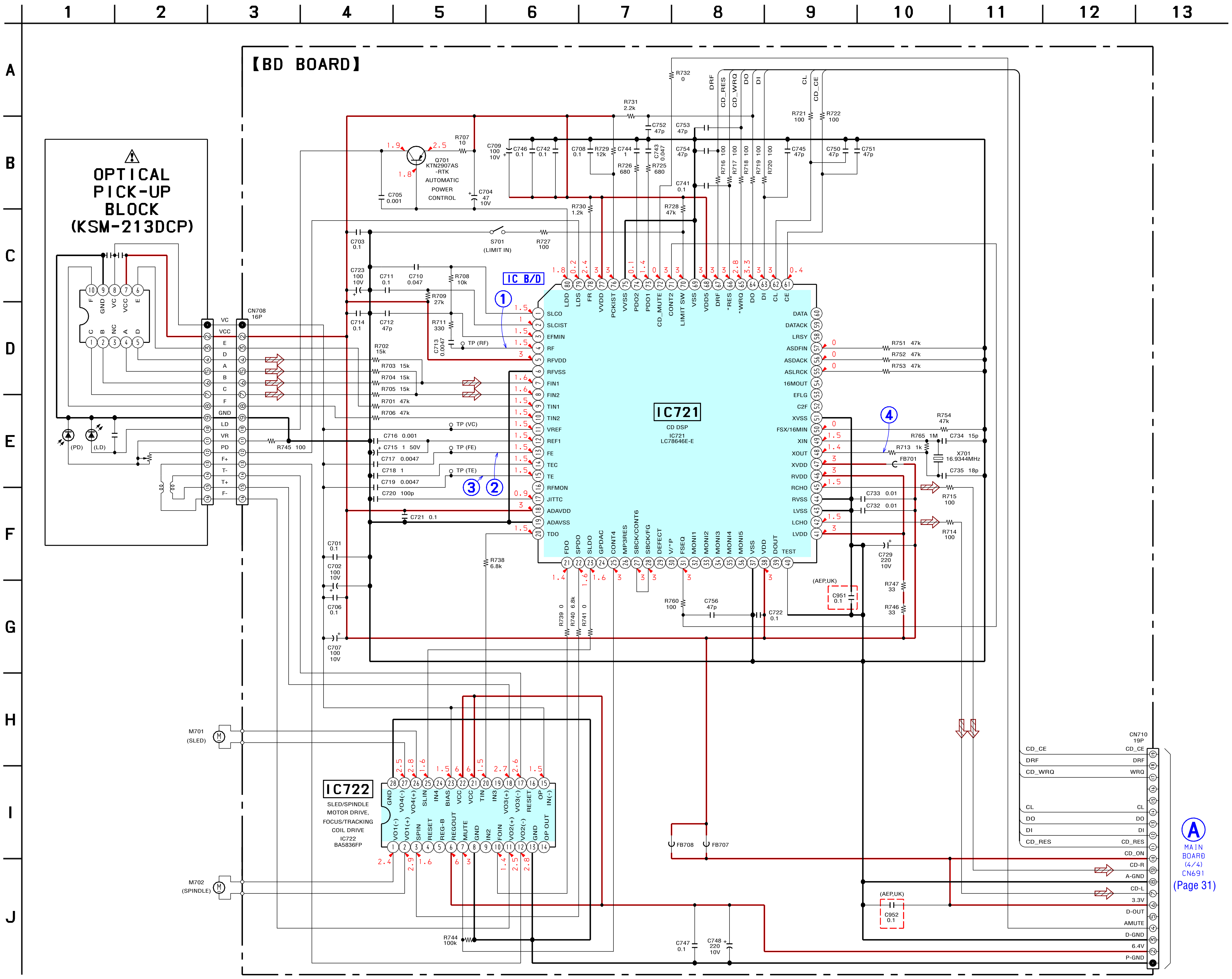


6-5. PRINTED WIRING BOARD – BD Section – • See page 23 for Circuit Boards Location. :Uses unleaded solder.



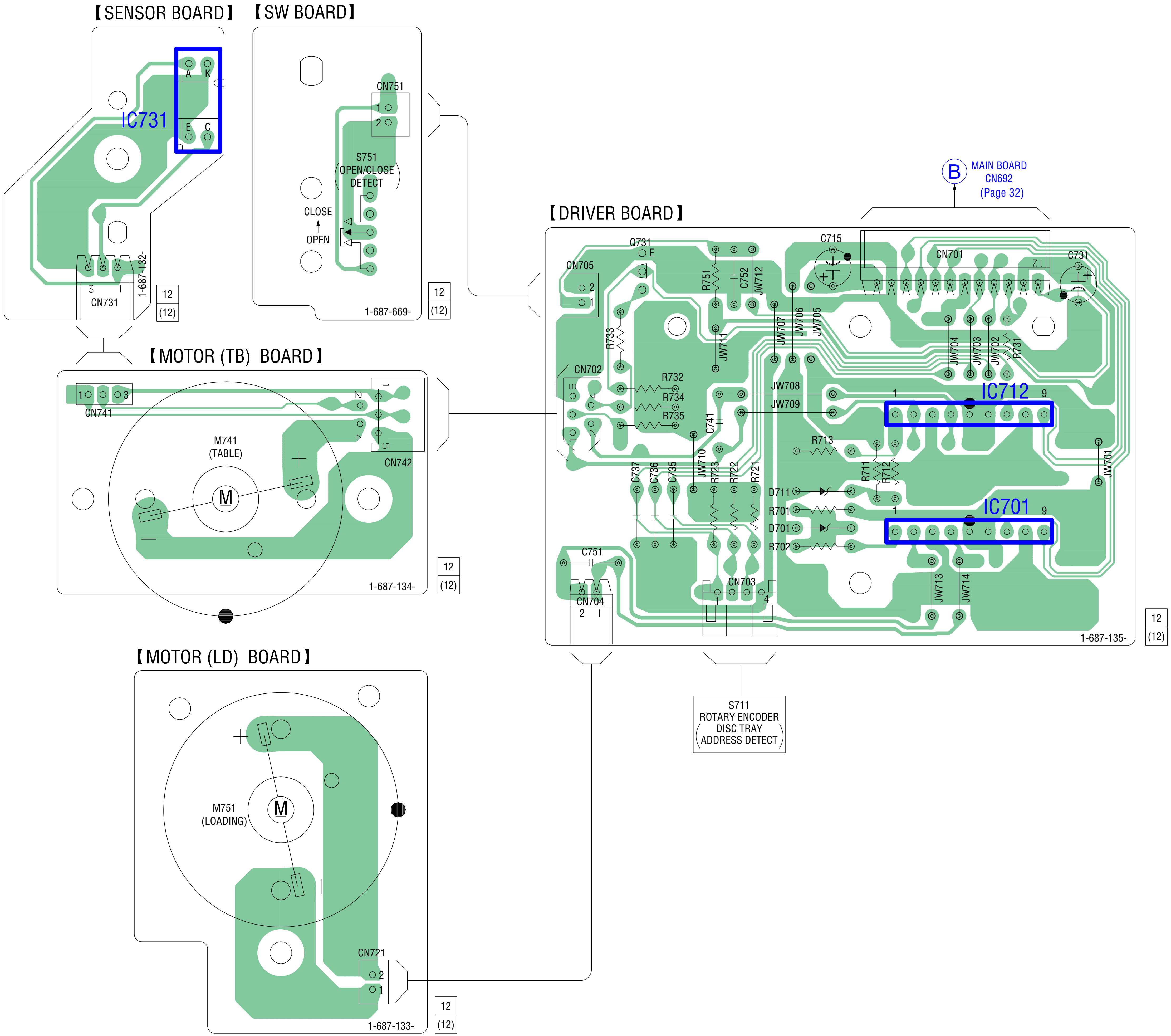
6-6. SCHEMATIC DIAGRAM – BD Section –

• See page 42 for IC Block Diagram. • See page 42 for Waveforms.



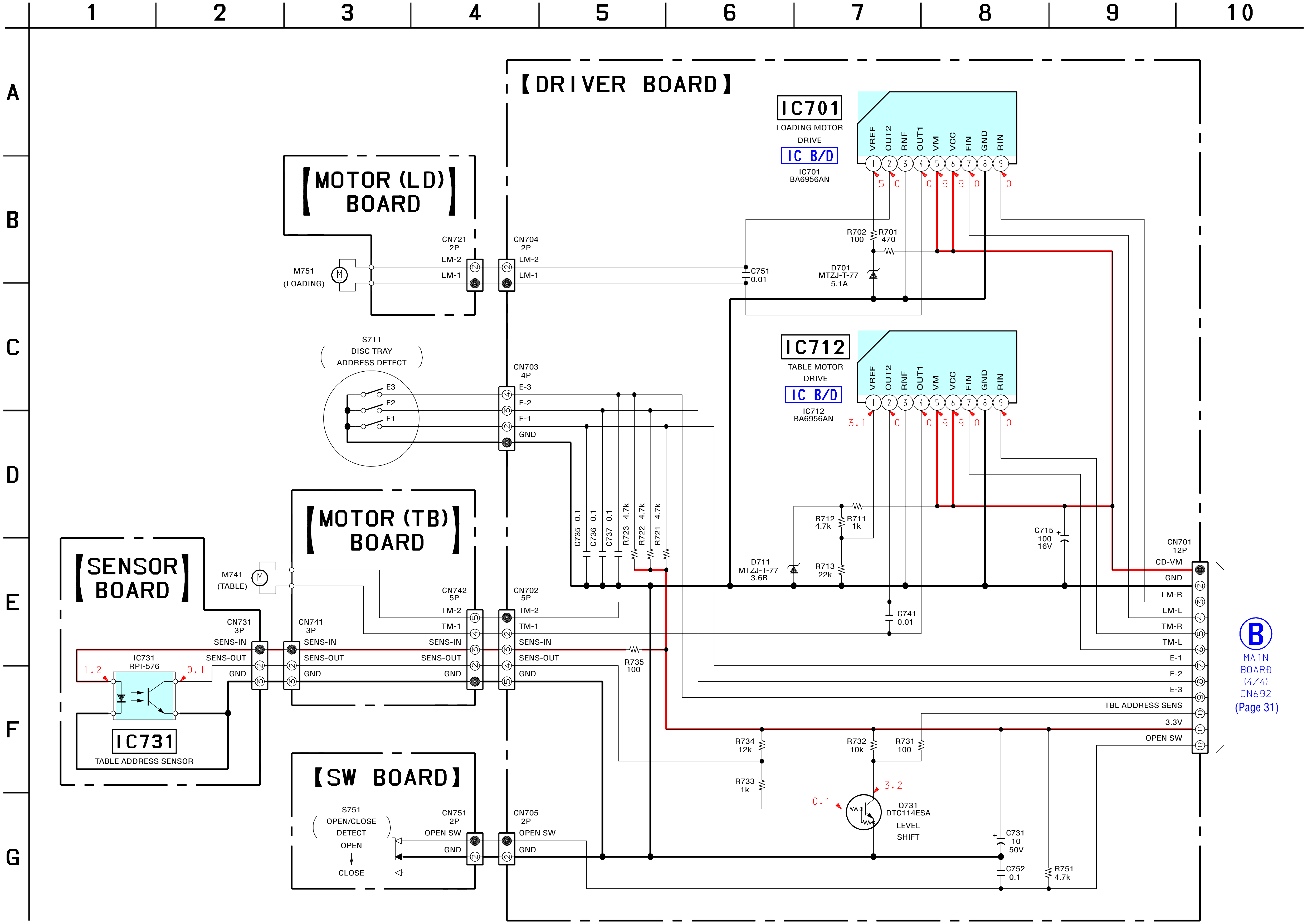
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

6-7. PRINTED WIRING BOARDS – CHANGER Section – • See page 23 for Circuit Boards Location. :Uses unleaded solder.

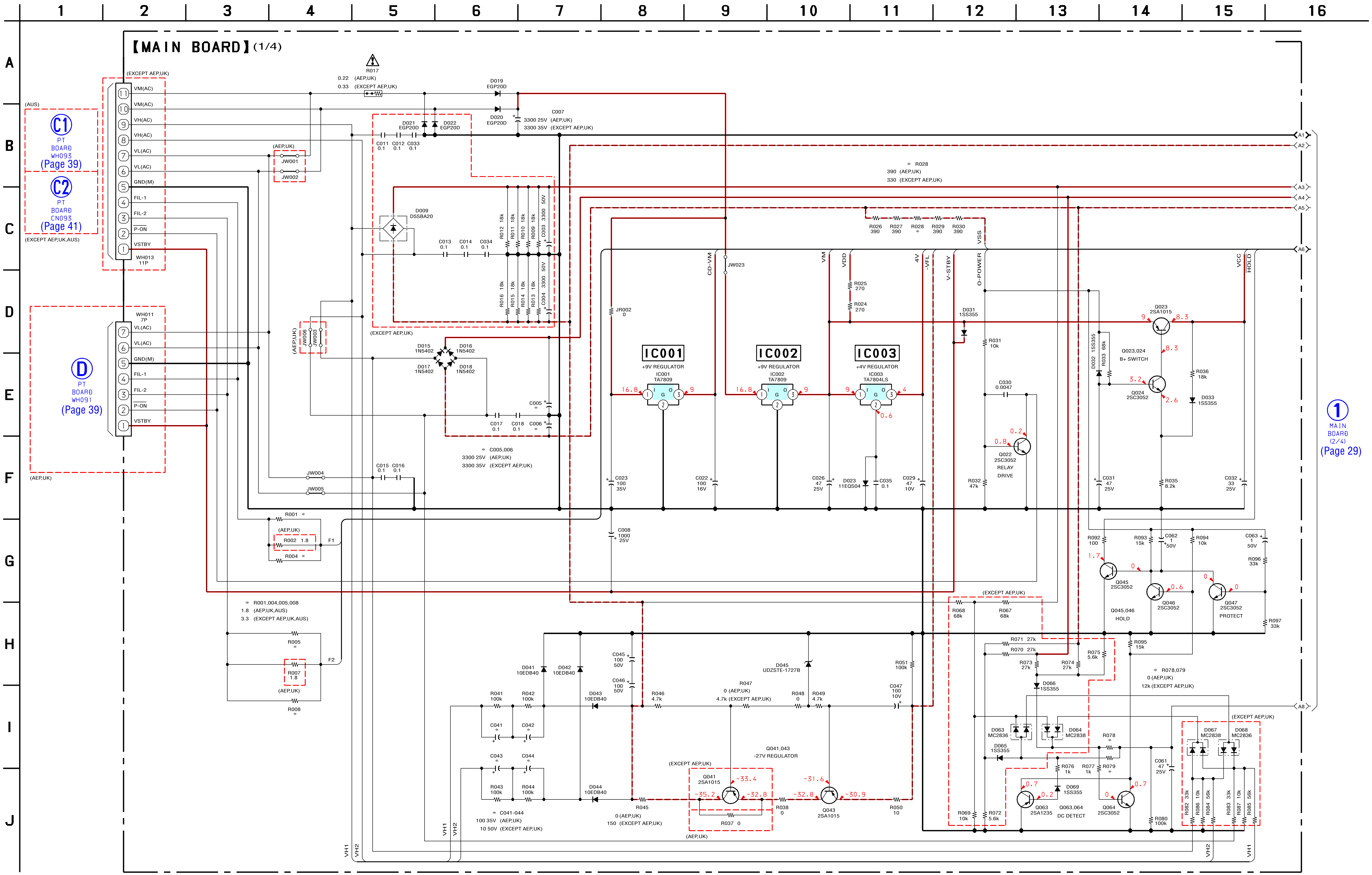


6-8. SCHEMATIC DIAGRAM – CHANGER Section –

• See page 42 for IC Block Diagrams.

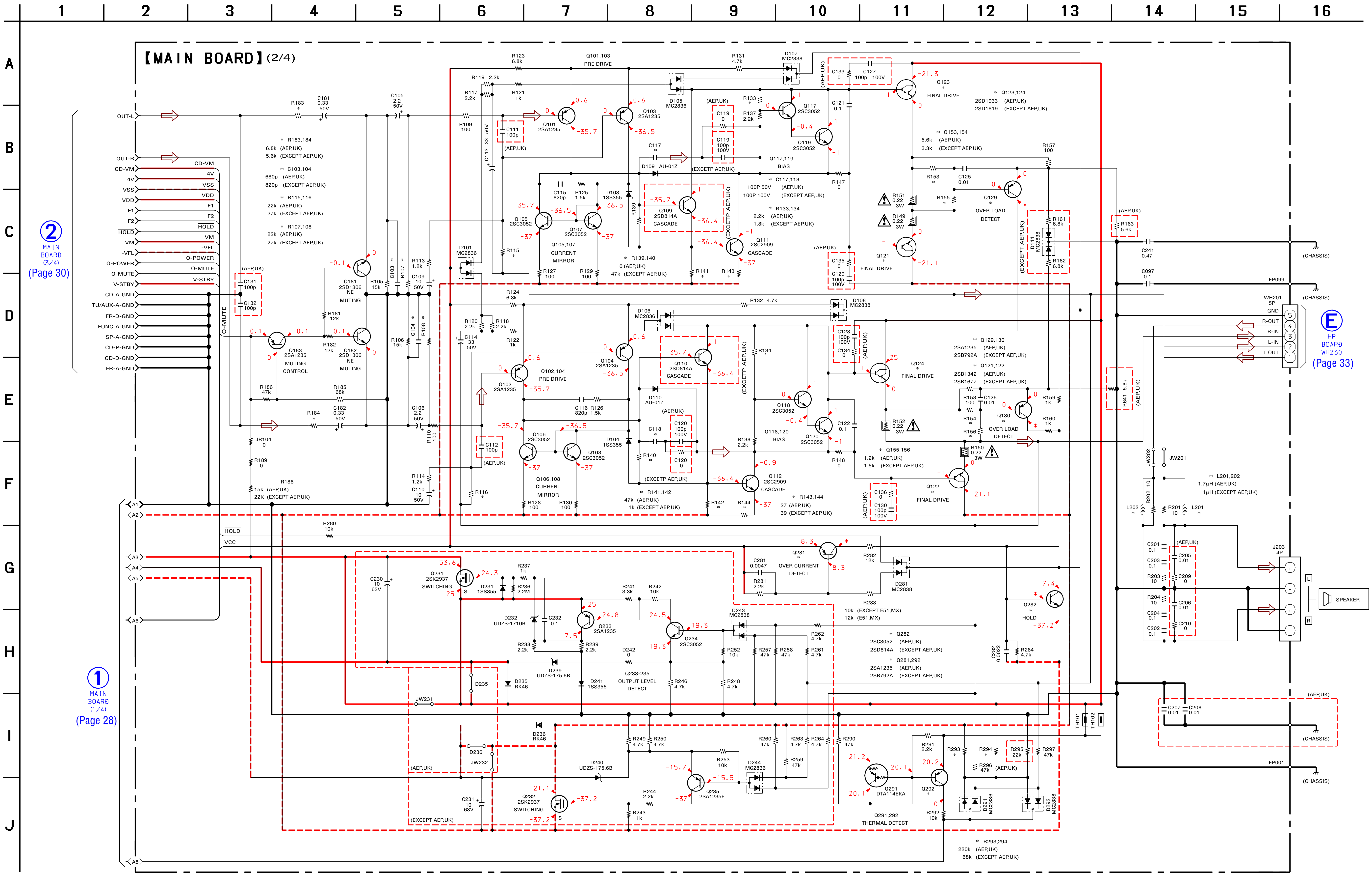


6-9. SCHEMATIC DIAGRAM – MAIN Section (1/4) –



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

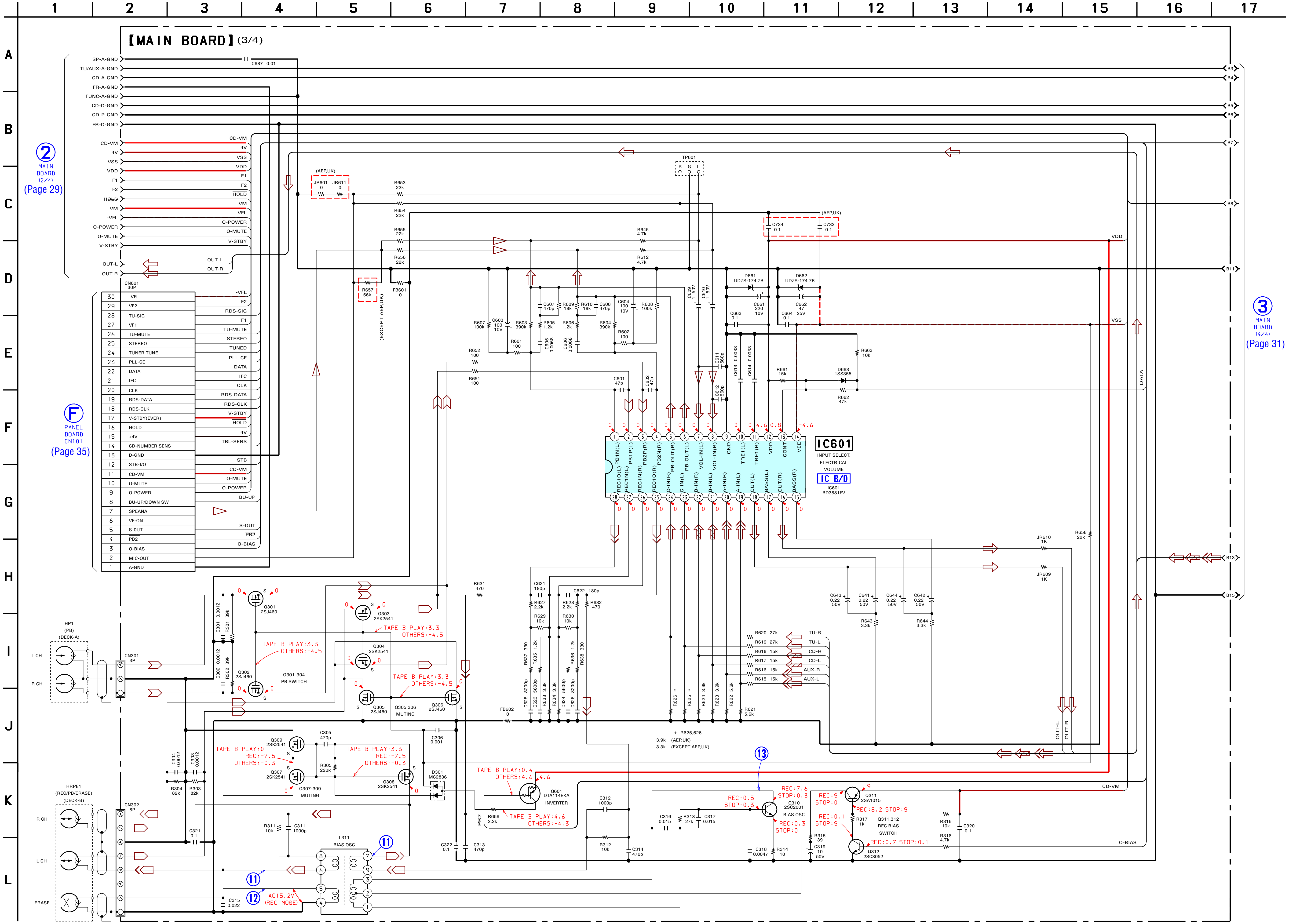
6-10. SCHEMATIC DIAGRAM – MAIN Section (2/4) –



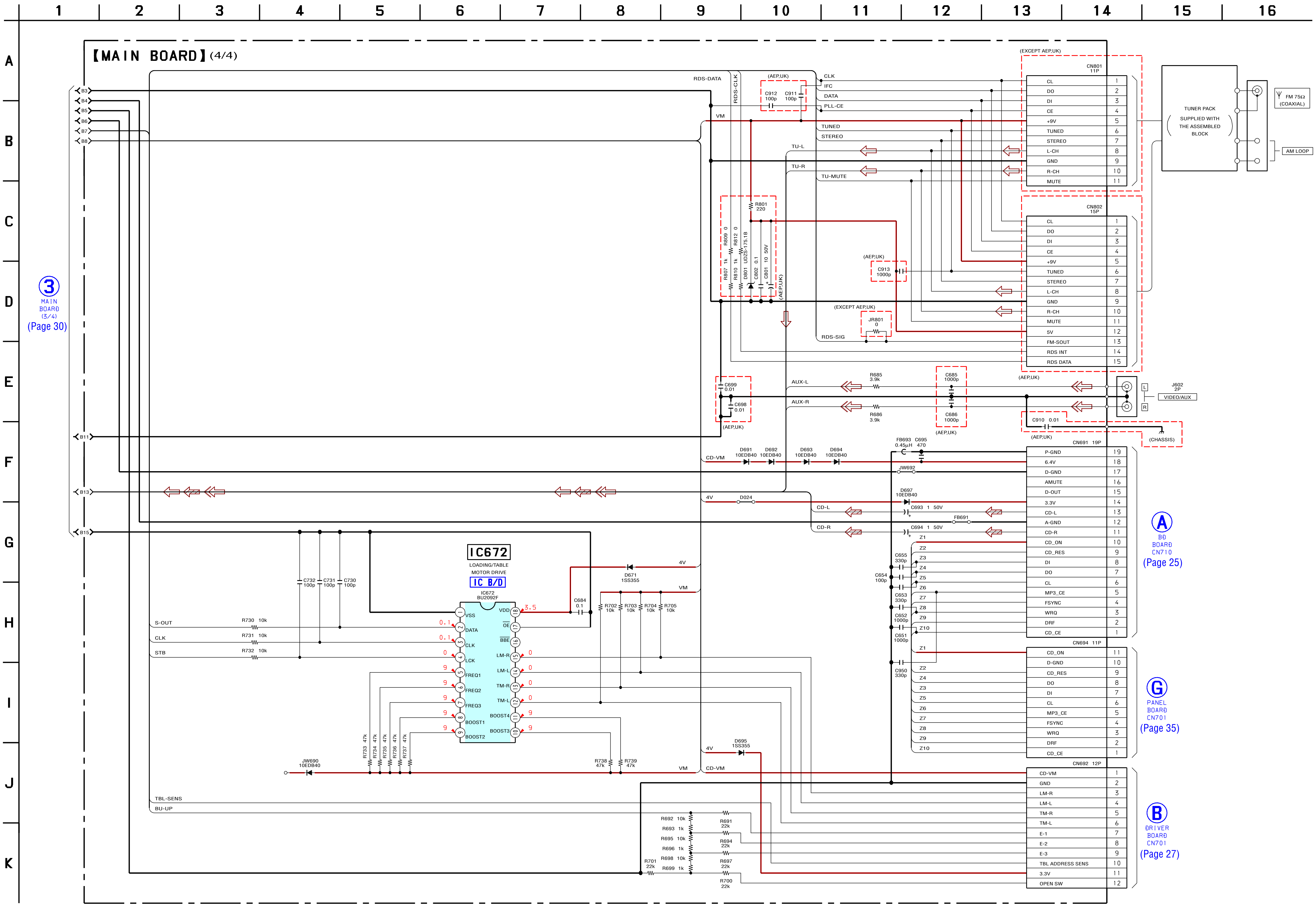
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

6-11. SCHEMATIC DIAGRAM – MAIN Section (3/4) –

• See page 42 for IC Block Diagram. • See page 42 for Waveforms.



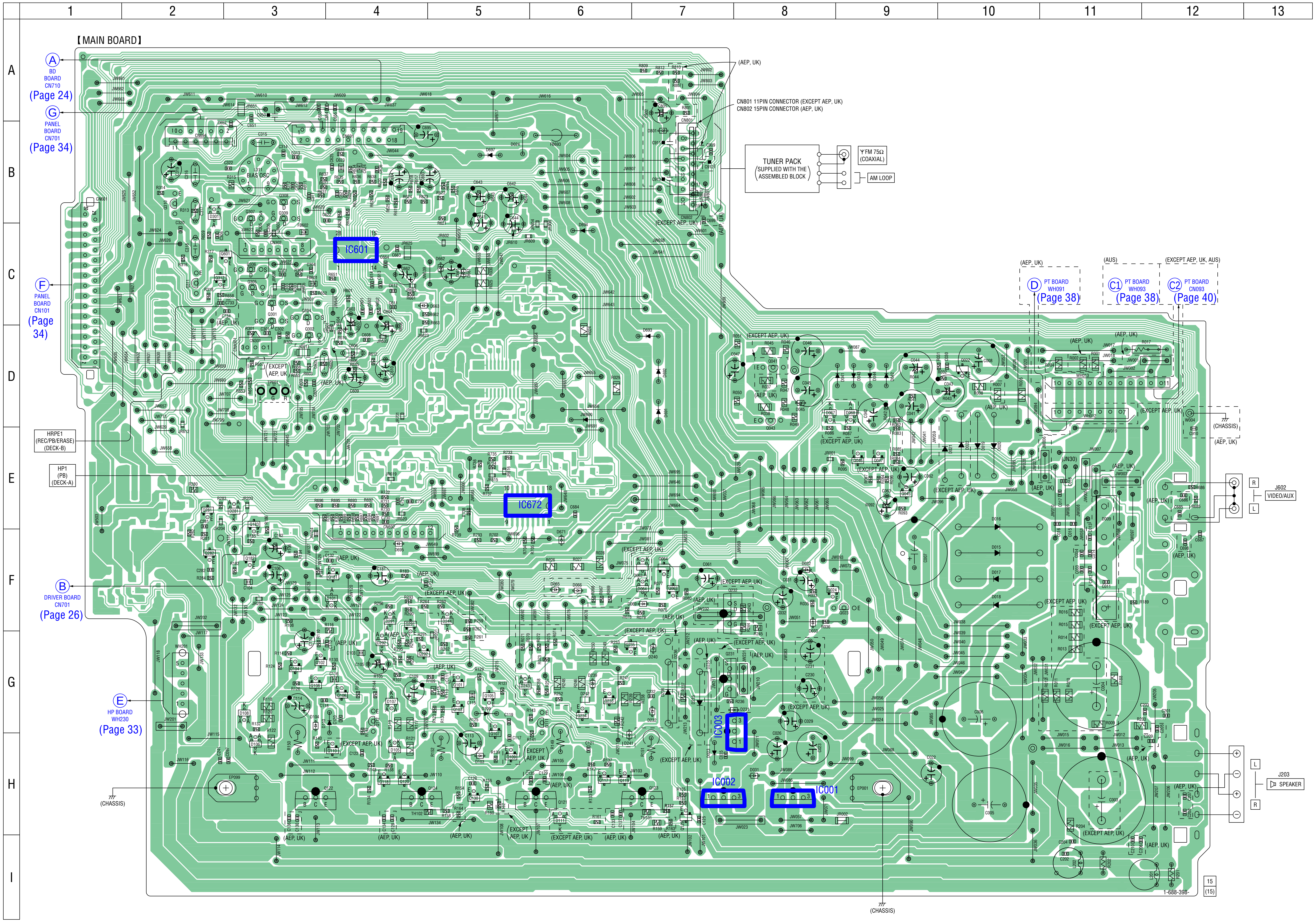
6-12. SCHEMATIC DIAGRAM – MAIN Section (4/4) – • See page 42 for IC Block Diagram.



6-13. PRINTED WIRING BOARD – MAIN Section –

• See page 23 for Circuit Boards Location.

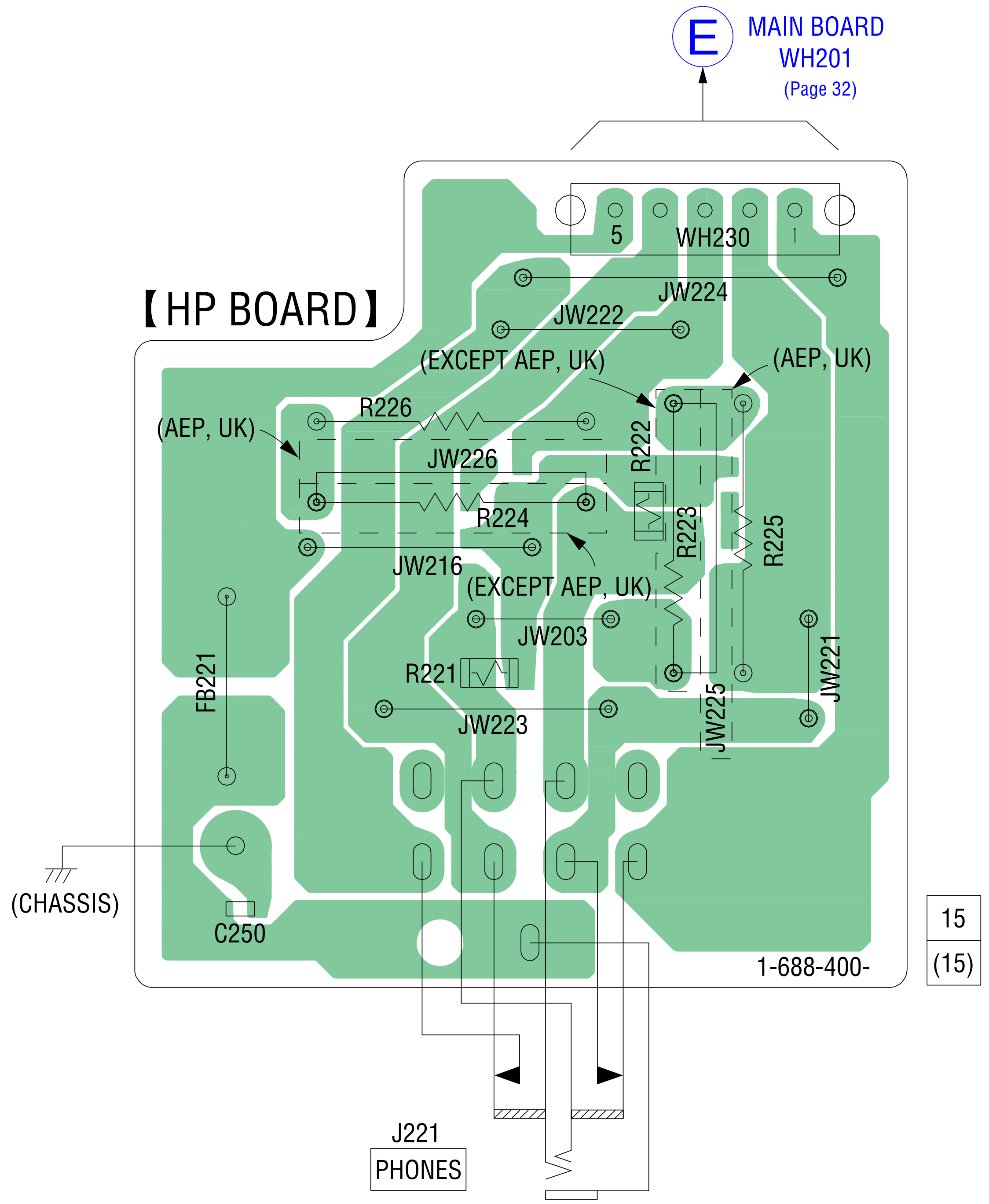
:Uses unleaded solder.



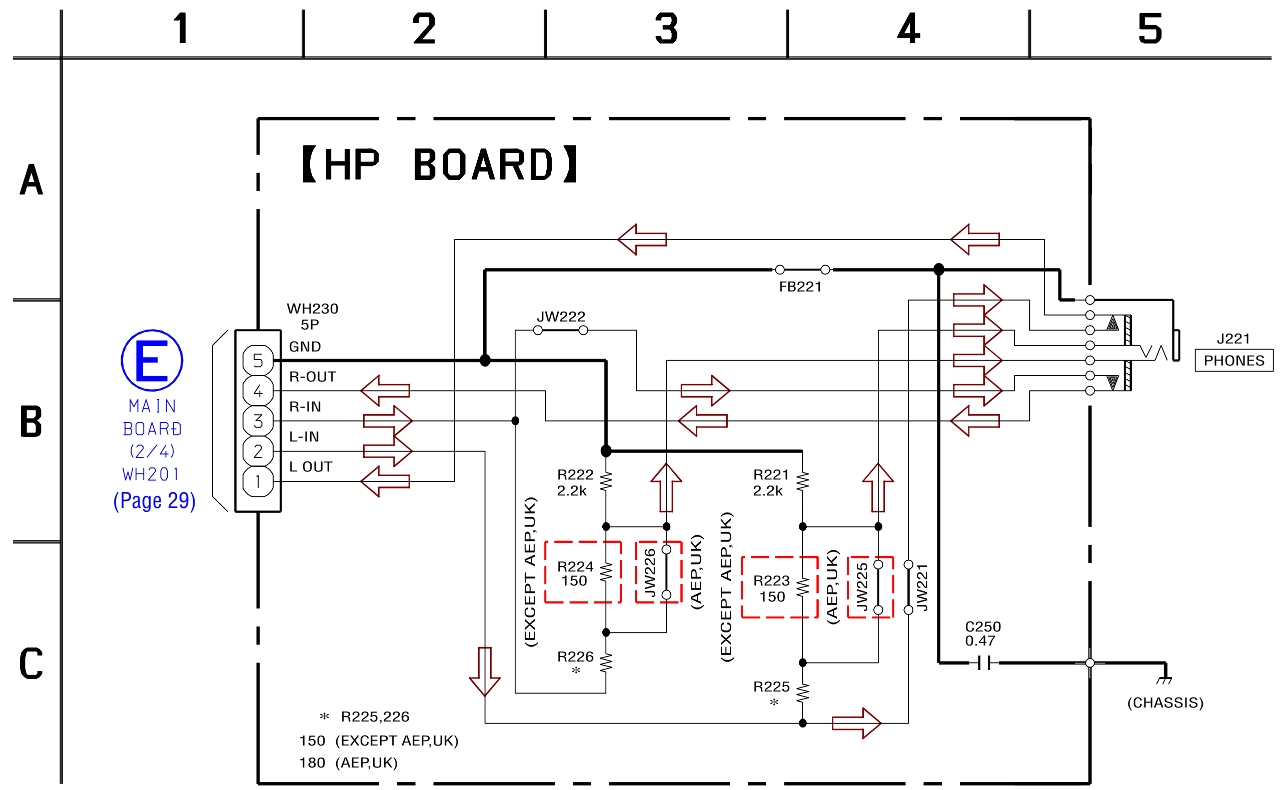
6-14. PRINTED WIRING BOARD – HP Section –

• See page 23 for Circuit Boards Location.

:Uses unleaded solder.



6-15. SCHEMATIC DIAGRAM – HP Section –

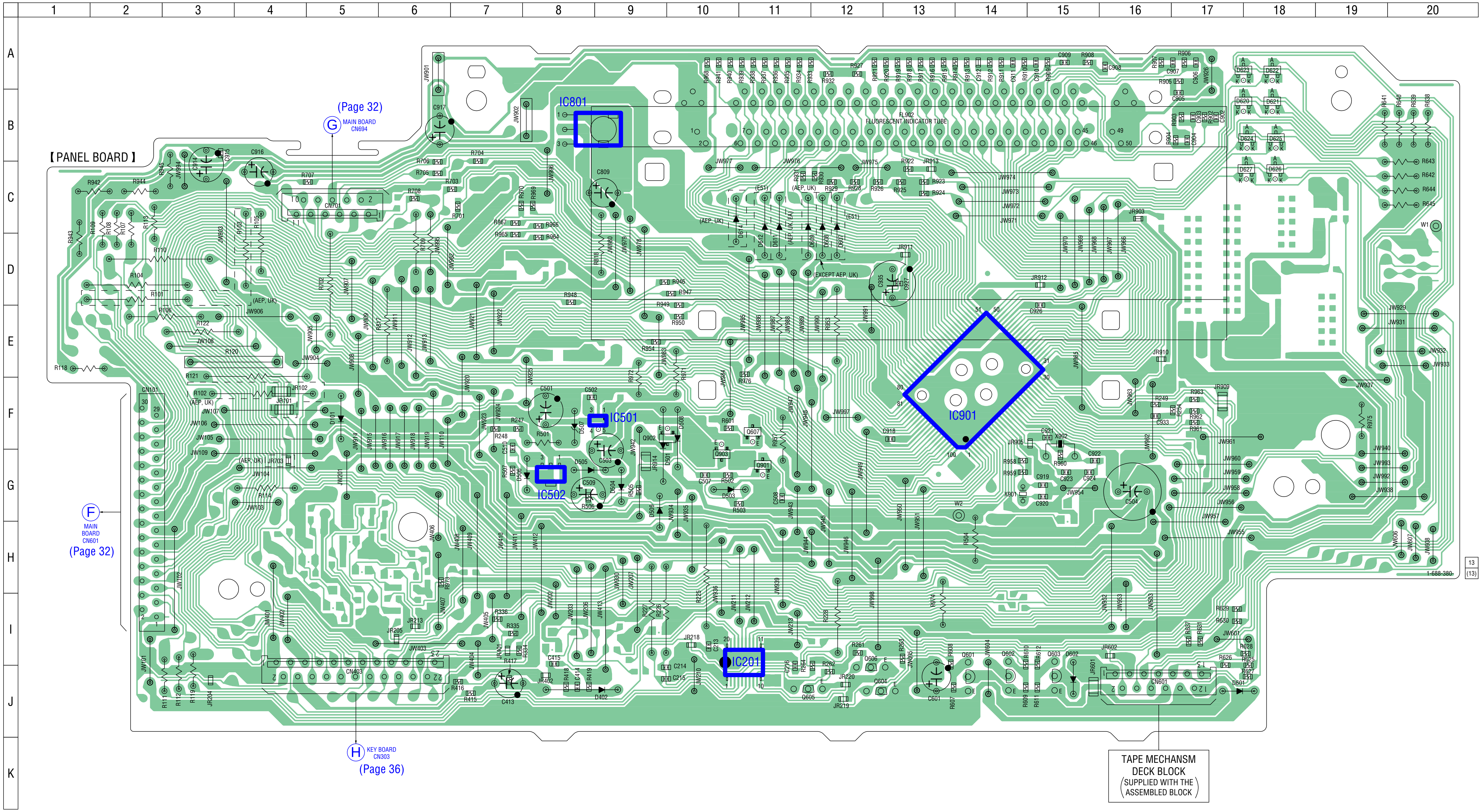


• **Semiconductor Location – MAIN Board –**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D009	F-11	D042	D-9	D105	H-4	D243	G-5	D695	F-4	Q024	F-8	Q107	H-5	Q129	H-7	Q301	C-3
D015	F-10	D043	D-9	D106	H-3	D244	F-5	D697	B-5	Q041	D-8	Q108	G-3	Q130	H-5	Q302	D-3
D016	E-10	D044	D-9	D107	G-4	D281	E-3	D801	B-7	Q043	D-8	Q109	H-5	Q181	F-4	Q303	C-3
D017	F-10	D045	D-8	D108	G-3	D291	F-4			Q045	E-9	Q110	H-4	Q182	F-3	Q304	C-3
D018	F-10	D063	F-7	D109	G-5	D292	G-4	IC001	H-8	Q046	E-9	Q111	G-6	Q183	E-3	Q305	C-3
D019	E-10	D064	F-7	D110	G-4	D301	B-2	IC002	H-7	Q047	E-9	Q112	G-4	Q231	G-7	Q306	C-3
D020	E-10	D065	F-6	D111	H-6	D661	C-5	IC003	G-8	Q063	F-7	Q117	H-6	Q232	F-7	Q307	B-3
D021	E-10	D066	F-6	D231	G-8	D662	C-5	IC601	C-4	Q064	F-7	Q118	H-4	Q233	G-6	Q308	B-3
D022	E-10	D067	D-8	D232	G-7	D663	C-4	IC672	F-5	Q101	G-5	Q119	H-6	Q234	G-6	Q309	B-3
D023	H-7	D068	D-9	D235	G-7	D671	F-6			Q102	G-3	Q120	H-4	Q235	G-6	Q310	B-2
D031	H-8	D069	F-7	D236	G-7	D691	D-7	JW690	D-6	Q103	G-5	Q121	H-6	Q281	E-2	Q311	C-2
D032	F-8	D101	F-4	D239	G-6	D692	D-7			Q104	G-3	Q122	H-3	Q282	F-2	Q312	C-2
D033	F-8	D103	H-5	D240	G-7	D693	D-7	Q022	D-10	Q105	G-5	Q123	H-7	Q291	F-4	Q601	C-3
D041	D-9	D104	G-3	D241	H-6	D694	C-6	Q023	F-9	Q106	G-3	Q124	H-4	Q292	G-4		

6-16. PRINTED WIRING BOARD – PANEL Section –

• See page 23 for Circuit Boards Location. :Uses unleaded solder.

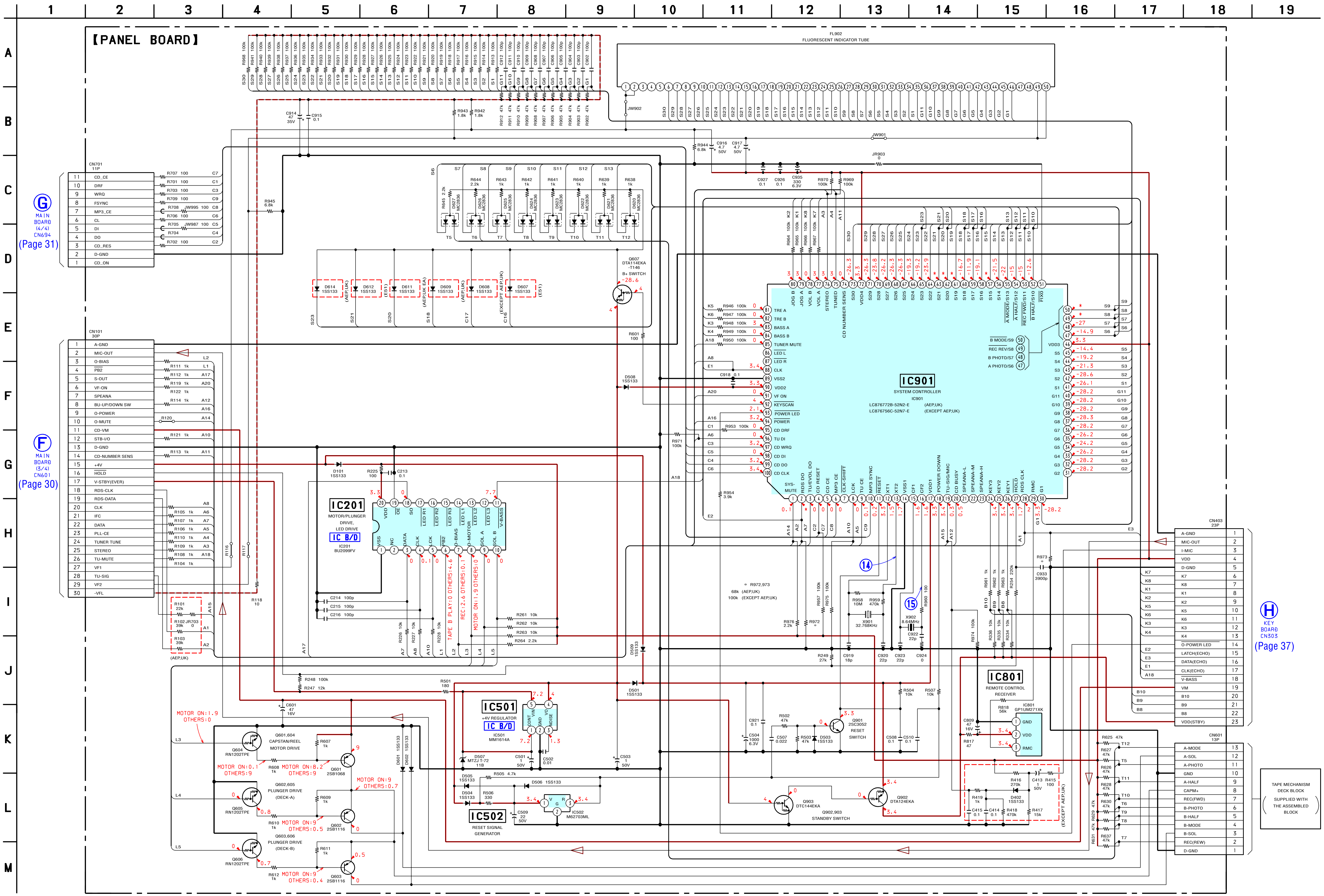


• **Semiconductor Location**

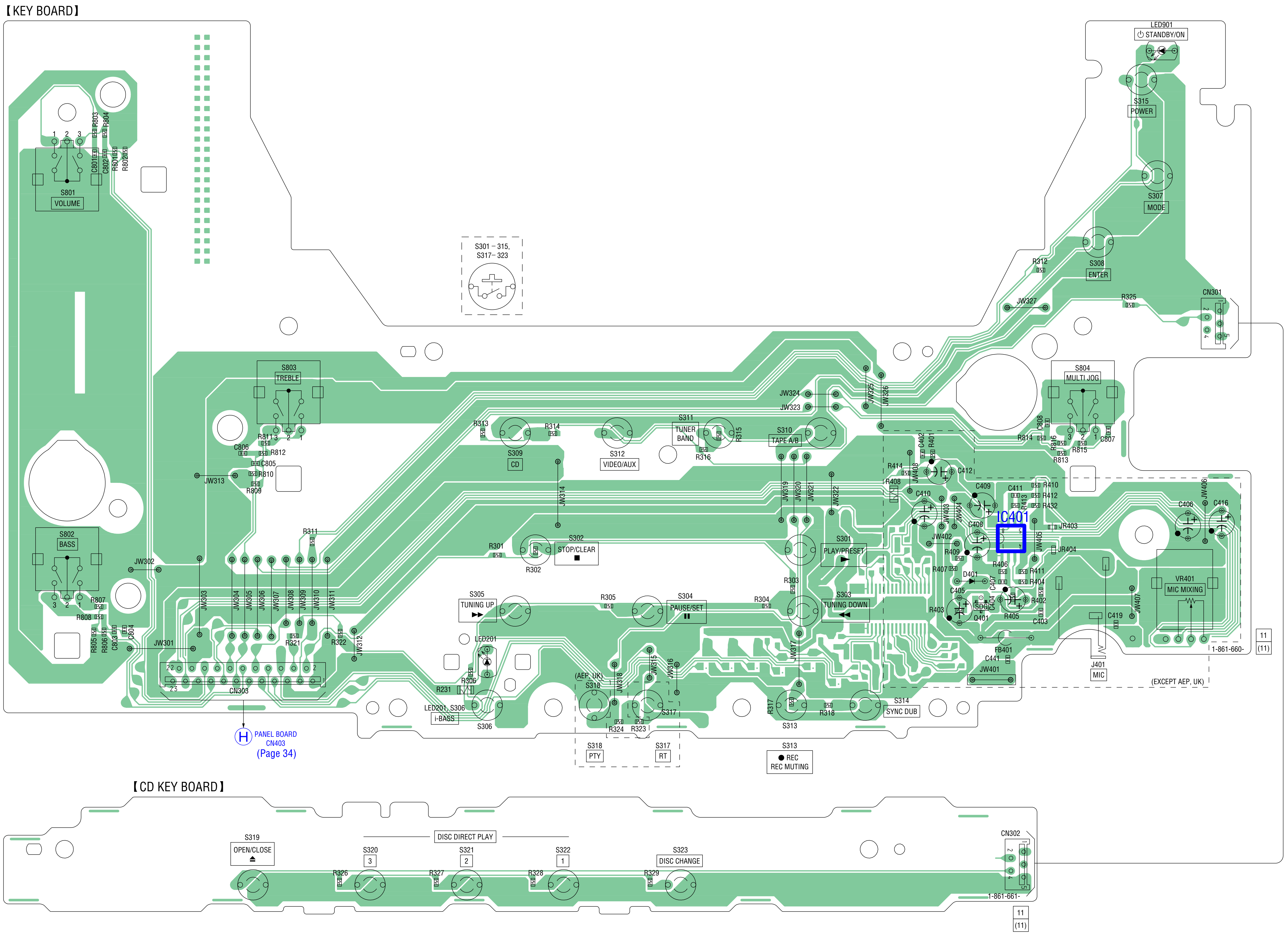
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	F-5	D602	J-15	D624	B-18	Q601	J-14
D402	J-8	D607	C-12	D625	B-18	Q602	J-14
D501	F-9	D608	C-12	D626	C-18	Q603	J-15
D503	G-10	D609	C-11	D627	C-18	Q604	J-12
D504	G-9	D611	C-11			Q605	J-11
D505	G-8	D612	C-11	IC201	I-11	Q606	J-12
D506	G-8	D614	C-10	IC501	F-9	Q607	F-11
D507	F-8	D620	B-18	IC502	G-8	Q901	G-11
D508	F-10	D621	B-18	IC801	B-9	Q902	F-10
D509	G-9	D622	A-18	IC901	F-14	Q903	G-10
D601	J-17	D623	A-18				

6-17. SCHEMATIC DIAGRAM – PANEL Section –

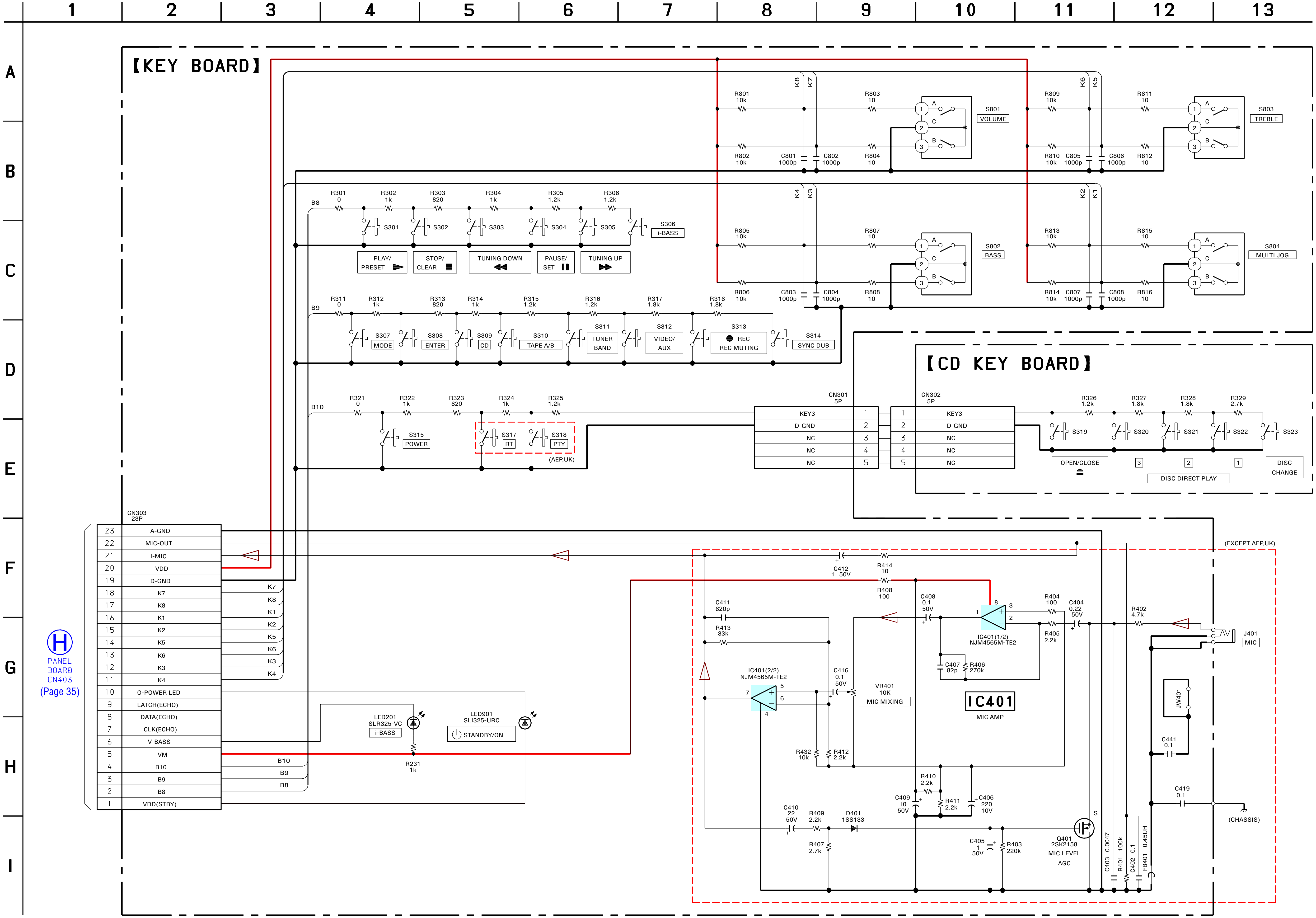
• See page 42 for IC Block Diagrams. • See page 42 for Waveforms. • See page 45 for IC Pin Function Description.



6-18. PRINTED WIRING BOARDS – KEY Section – • See page 23 for Circuit Boards Location. :Uses unleaded solder.

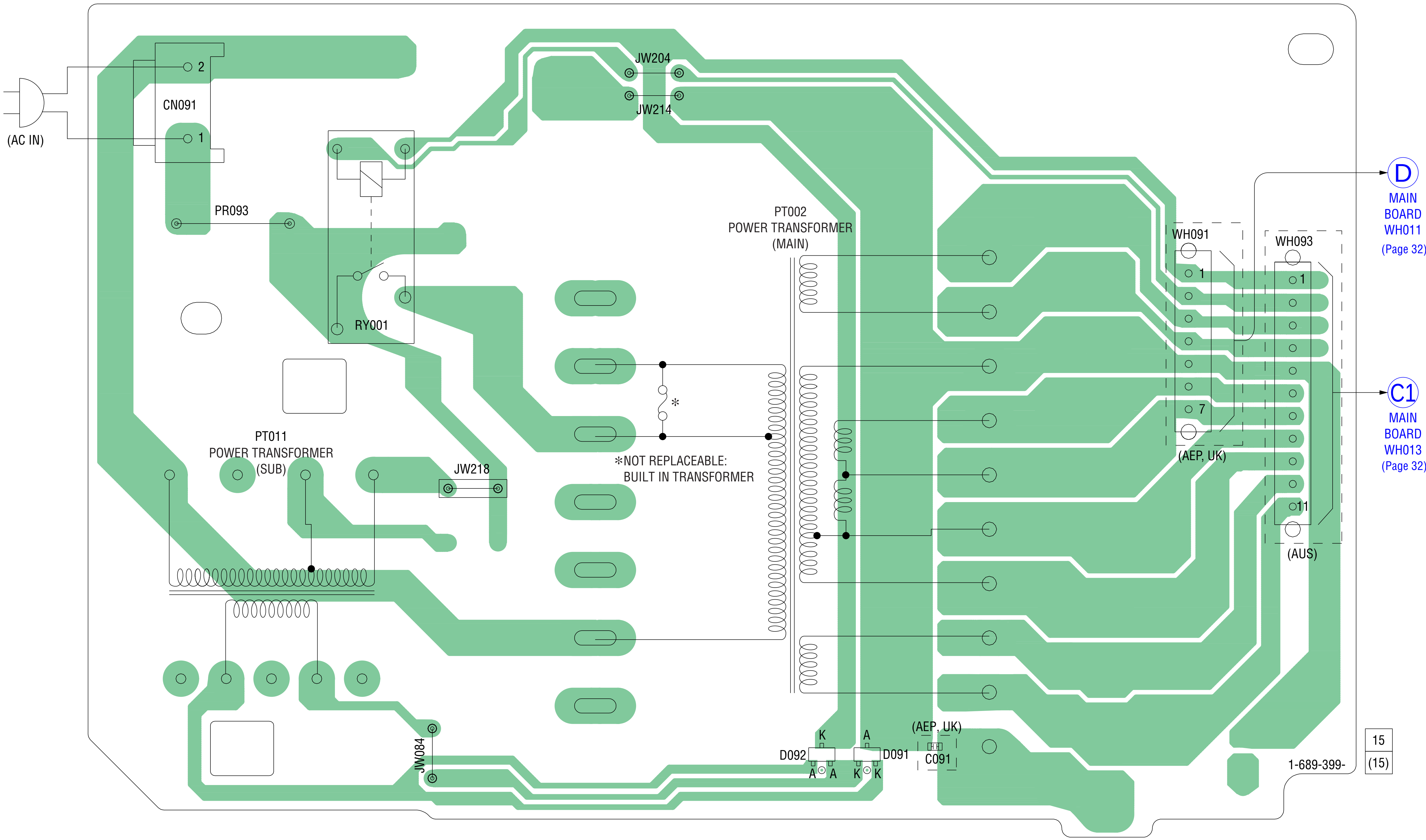


6-19. SCHEMATIC DIAGRAM – KEY Section –

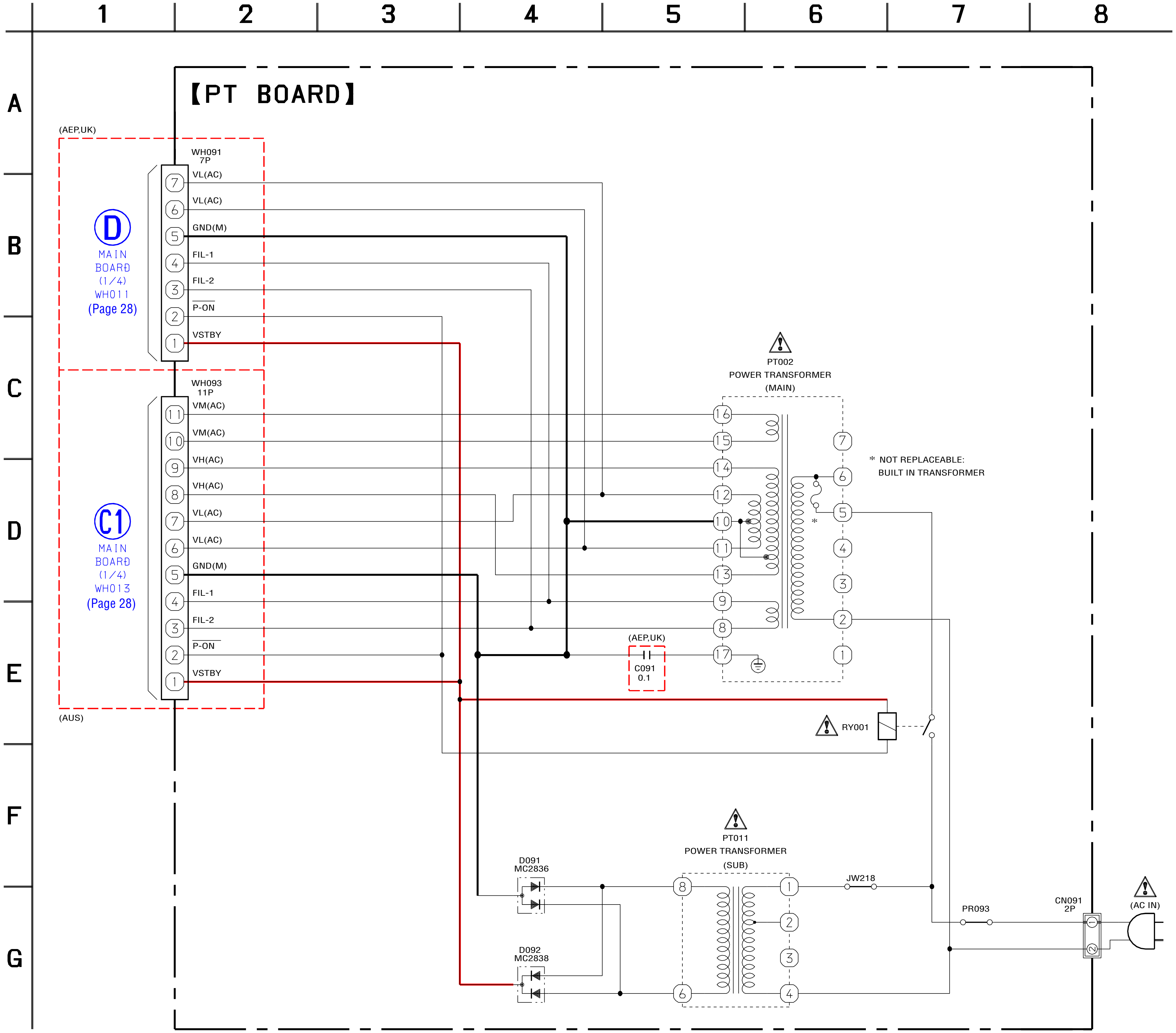


6-20. PRINTED WIRING BOARD – PT Section – (AEP, UK, AUS) • See page 23 for Circuit Boards Location. :Uses unleaded solder.

【PT BOARD】

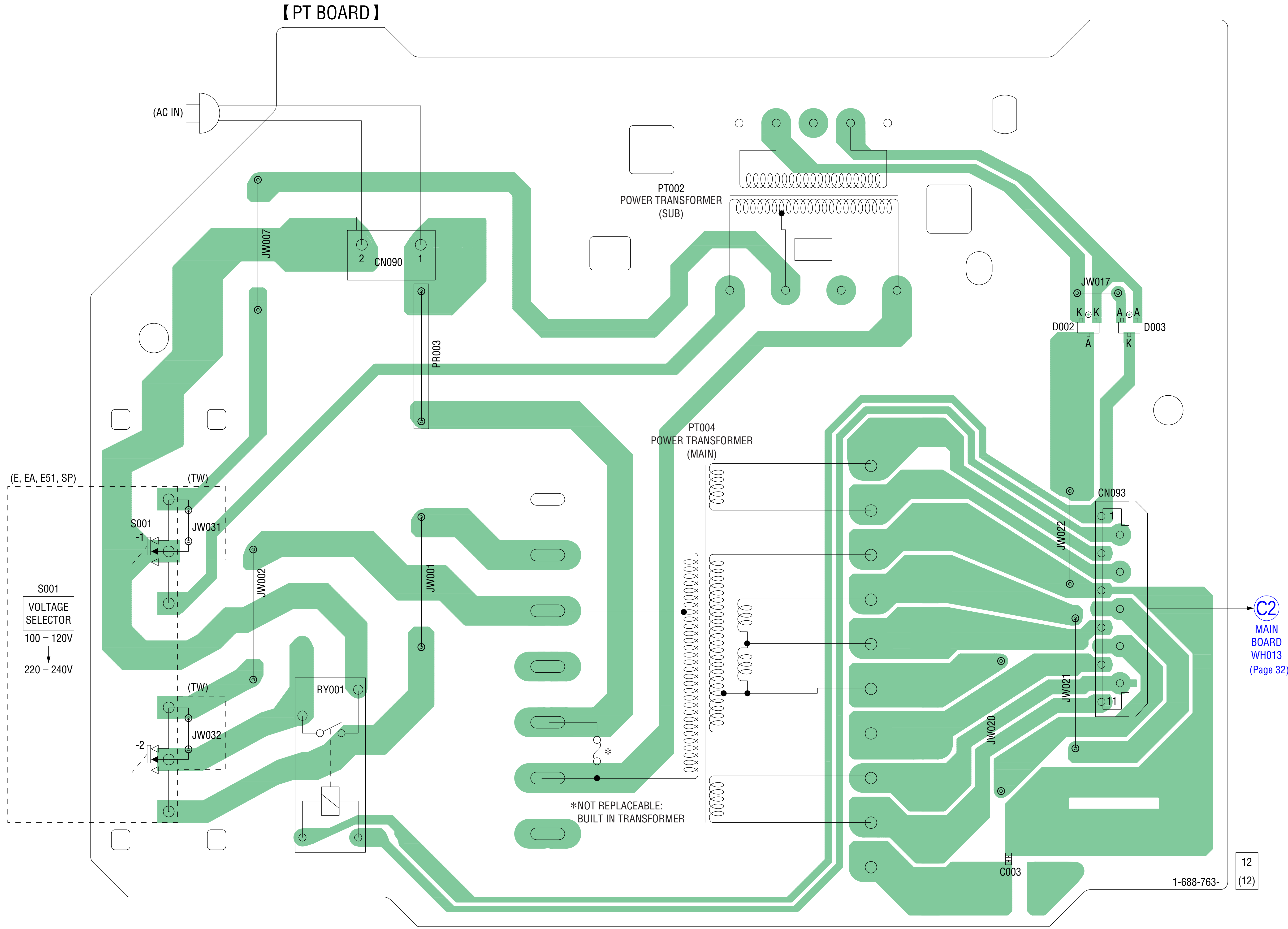


6-21. SCHEMATIC DIAGRAM – PT Section – (AEP, UK, AUS)

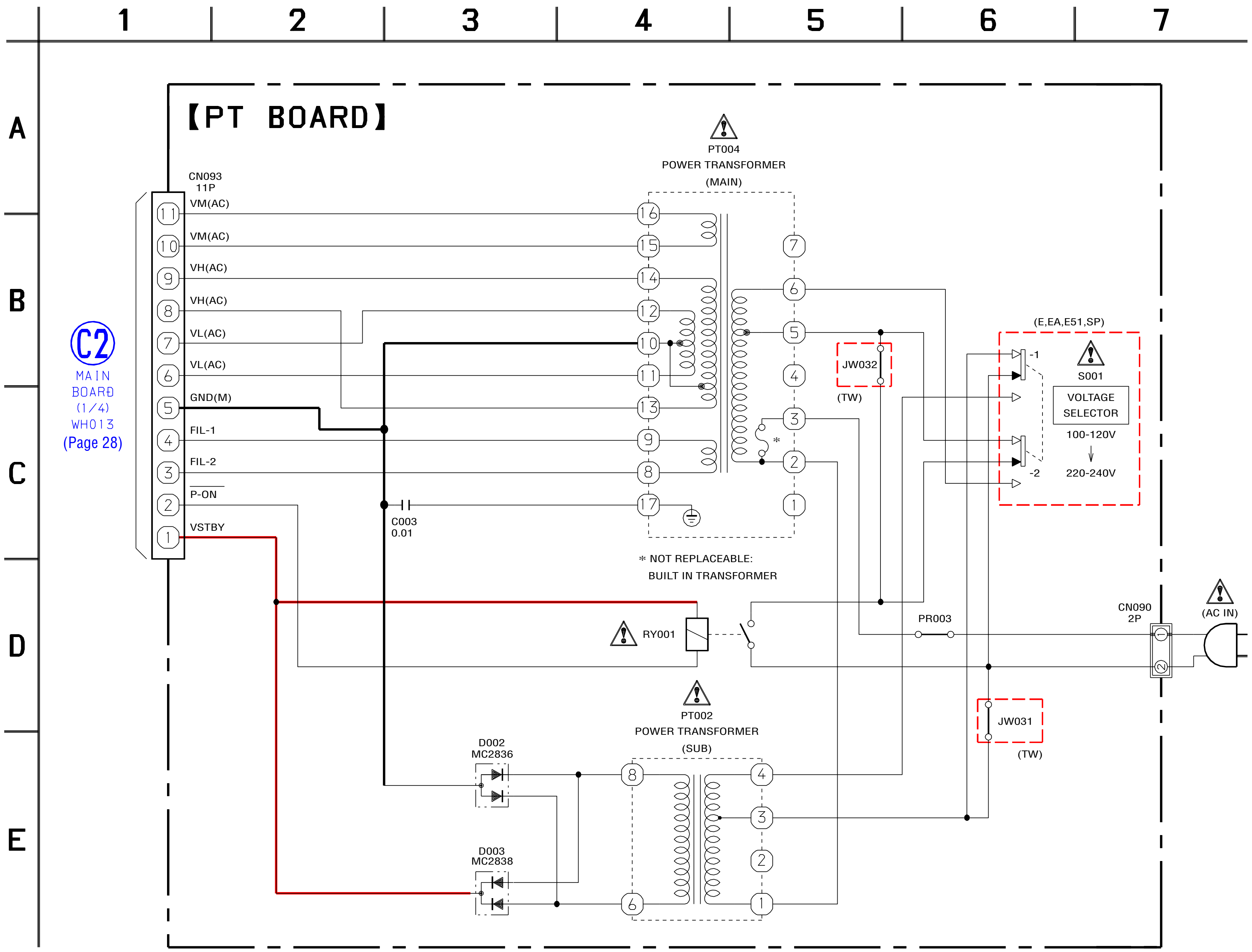


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

6-22. PRINTED WIRING BOARD – PT Section – (E, EA, E51, SP, TW) • See page 23 for Circuit Boards Location. :Uses unleaded solder.



6-23. SCHEMATIC DIAGRAM – PT Section – (E, EA, E51, SP, TW)

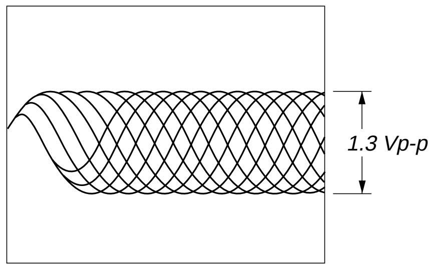


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

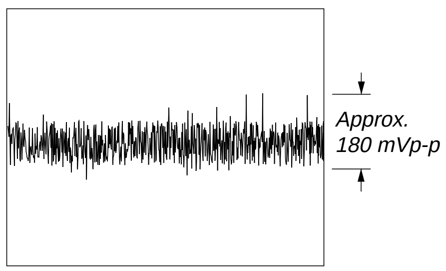
• Waveforms

– BD Board –

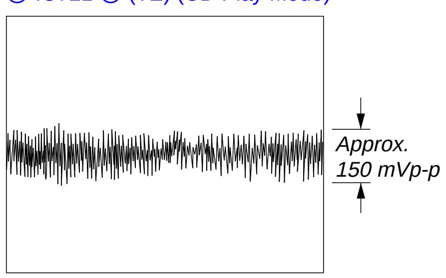
① IC721 ④ (RF) (CD Play Mode)



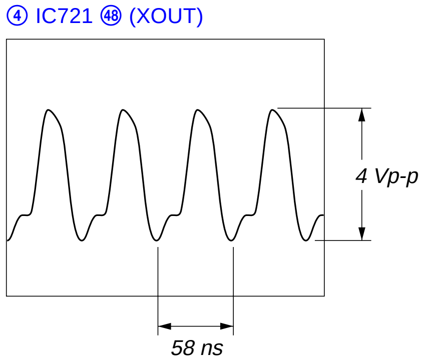
② IC721 ⑬ (FE) (CD Play Mode)



③ IC721 ⑮ (TE) (CD Play Mode)

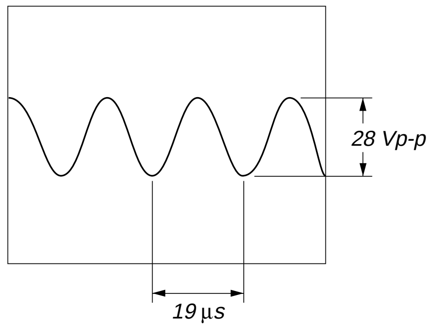


④ IC721 ㊽ (XOUT)

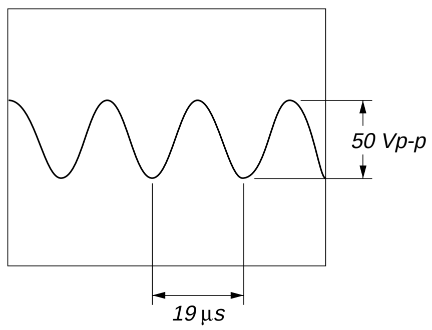


– MAIN Board –

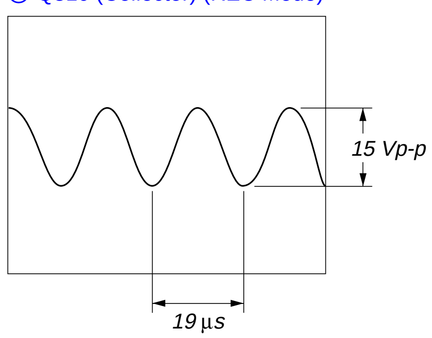
⑪ L311 ⑥, ⑦ (REC Mode)



⑫ L311 ⑤ (REC Mode)

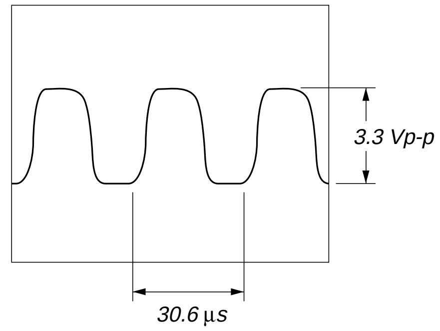


⑬ Q310 (Collector) (REC Mode)

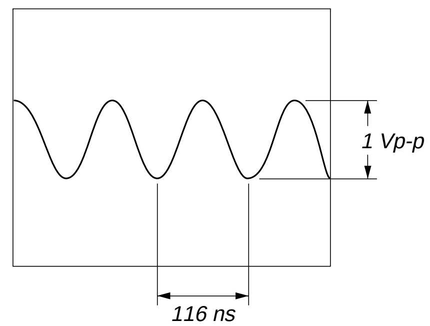


– PANEL Board –

⑭ IC901 ⑬ (XT2)



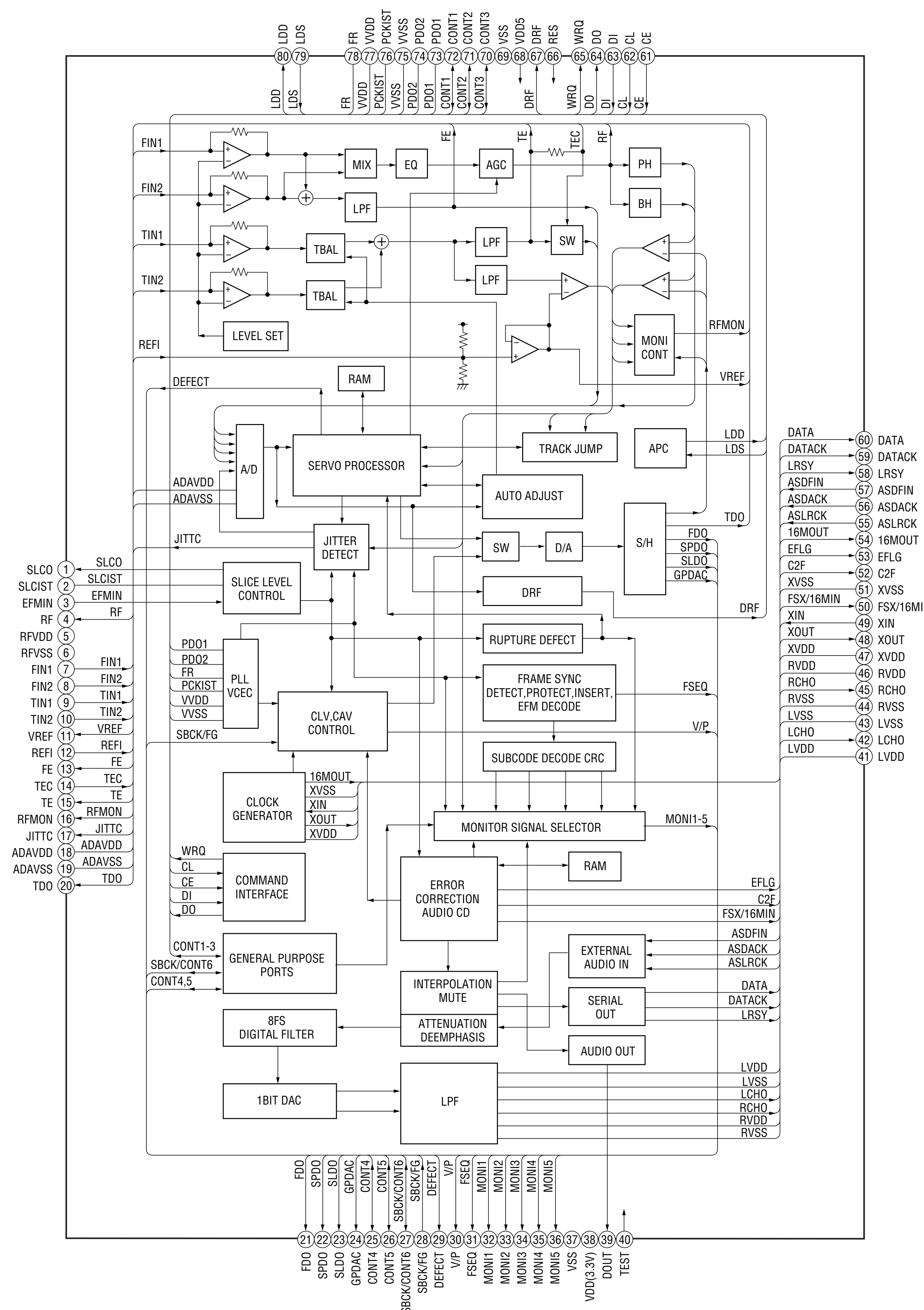
⑮ IC901 ⑯ (CF2)



• IC Block Diagrams

– BD Board –

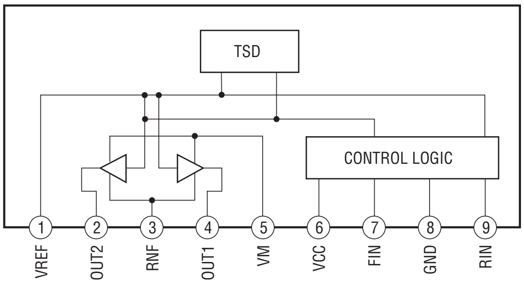
IC721 LC78646E-E



42

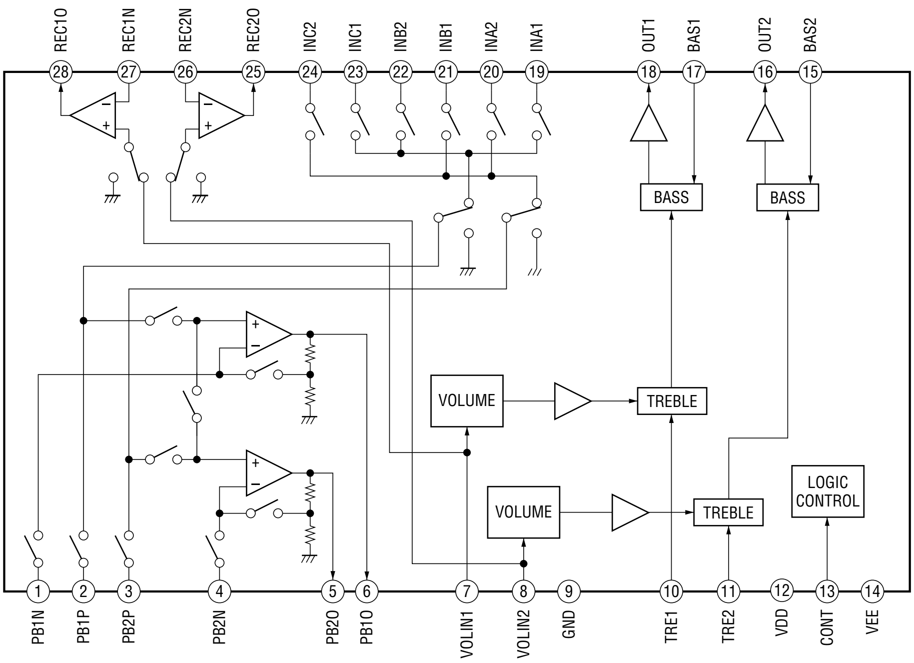
– DRIVER Board –

IC701, 712 BA6956AN

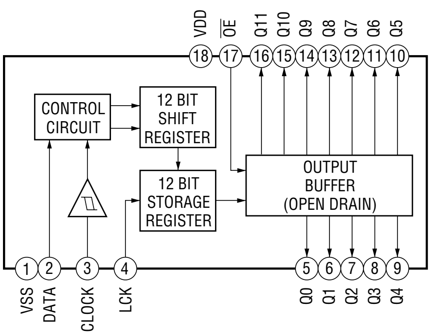


– MAIN Board –

IC601 BD3881FV

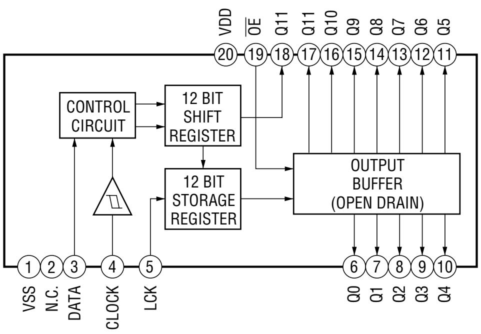


IC672 BU2092F-E2

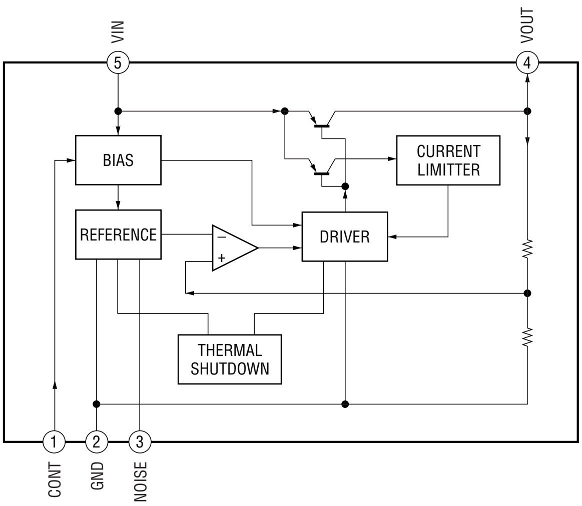


– PANEL Board –

IC201 BU2099FV



IC501 MM1614A



- **IC Pin Function Description**

PANEL BOARD IC901 LC87696B-52D8 (SYSTEM CONTROLLER)
LC876772B-52N2-E (AEP and UK models), LC876756C-52N7-E (EXCEPT AEP and UK models)

Pin No.	Pin Name	I/O	Description
1	SYS-MUTE	O	Line muting on/off control signal output terminal
2	RDS DO	I	RDS serial data input from the tuner pack (AEP and UK models)
3	TU/EVOL DO	O	Serial data output to the tuner pack, motor/plunger/LED driver and electrical volume
4	CD RESET	O	Reset signal output to the CD DSP
5	CD CE	O	Chip enable signal output to the CD DSP
6	MP3 CE	O	Chip enable signal output terminal Not used
7	$\overline{\text{CLK-SHIFT}}$	O	Shift clock signal output terminal Not used
8	LCK	O	Latch clock signal output to the motor/plunger/LED driver
9	TU CE	O	Chip enable signal output to the tuner pack
10	MP3 SYNC	I	SYNC signal input terminal Not used
11	$\overline{\text{RESET}}$	I	System reset signal input from the reset signal generator “L”: reset For several hundreds msec. after the power supply rises, “L” is input, then it changes to “H”
12	XT1	I	System clock input terminal (32.768 kHz)
13	XT2	O	System clock output terminal (32.768 kHz)
14	VSS1	—	Ground terminal
15	CF1	I	System clock input terminal (8.64 MHz)
16	CF2	O	System clock output terminal (8.64 MHz)
17	VDD1	—	Power supply terminal (+3.3V)
18	POWER DOWN	I	Power down detection signal input terminal
19	TU-SIG/MIC	I	RDS signal input terminal (AEP and UK models) MIC signal input terminal (except AEP and UK models)
20	CD BUSY	I	Optical pick-up up/down detection and tray open/close detection signal input terminal
21	SPEANA-L	I	Spectrum analyzer drive signal input terminal (low band) Not used
22	SPEANA-M	I	Spectrum analyzer drive signal input terminal (middle band) Not used
23	SPEANA-H	I	Spectrum analyzer drive signal input terminal (high band) Not used
24	KEY3	I	Front panel key input terminal (A/D input)
25	KEY2	I	Front panel key input terminal (A/D input)
26	KEY1	I	Front panel key input terminal (A/D input)
27	$\overline{\text{HOLD}}$	I	System malfunction signal (hold signal) input from the power amplifier circuit
28	RDS CLK	I	RDS serial data transfer clock signal input from the tuner pack (AEP and UK models)
29	RMC	I	Remote control signal input terminal
30 to 40	G1 to G11	O	Grid drive signal output to the fluorescent indicator tube
41 to 45	S1 to S5	O	Segment drive signal output to the fluorescent indicator tube
46	VDD3	—	Power supply terminal (+3.3V)
47	A PHOTO/S6	I/O	Deck-A tape reel rotating detection signal input and segment drive signal output to the fluorescent indicator tube
48	B PHOTO/S7	I/O	Deck-B tape reel rotating detection signal input and segment drive signal output to the fluorescent indicator tube
49	$\overline{\text{REC REV}}$/S8	I/O	Recording (reverse direction) detection signal input and segment drive signal output to the fluorescent indicator tube
50	$\overline{\text{B MODE}}$/S9	I/O	Deck-B mode detection signal input and segment drive signal output to the fluorescent indicator tube
51	$\overline{\text{FIX0}}$	I/O	Not used
52	$\overline{\text{B HALF}}$/S10	I/O	Deck-B cassette detection signal input and segment drive signal output to the fluorescent indicator tube

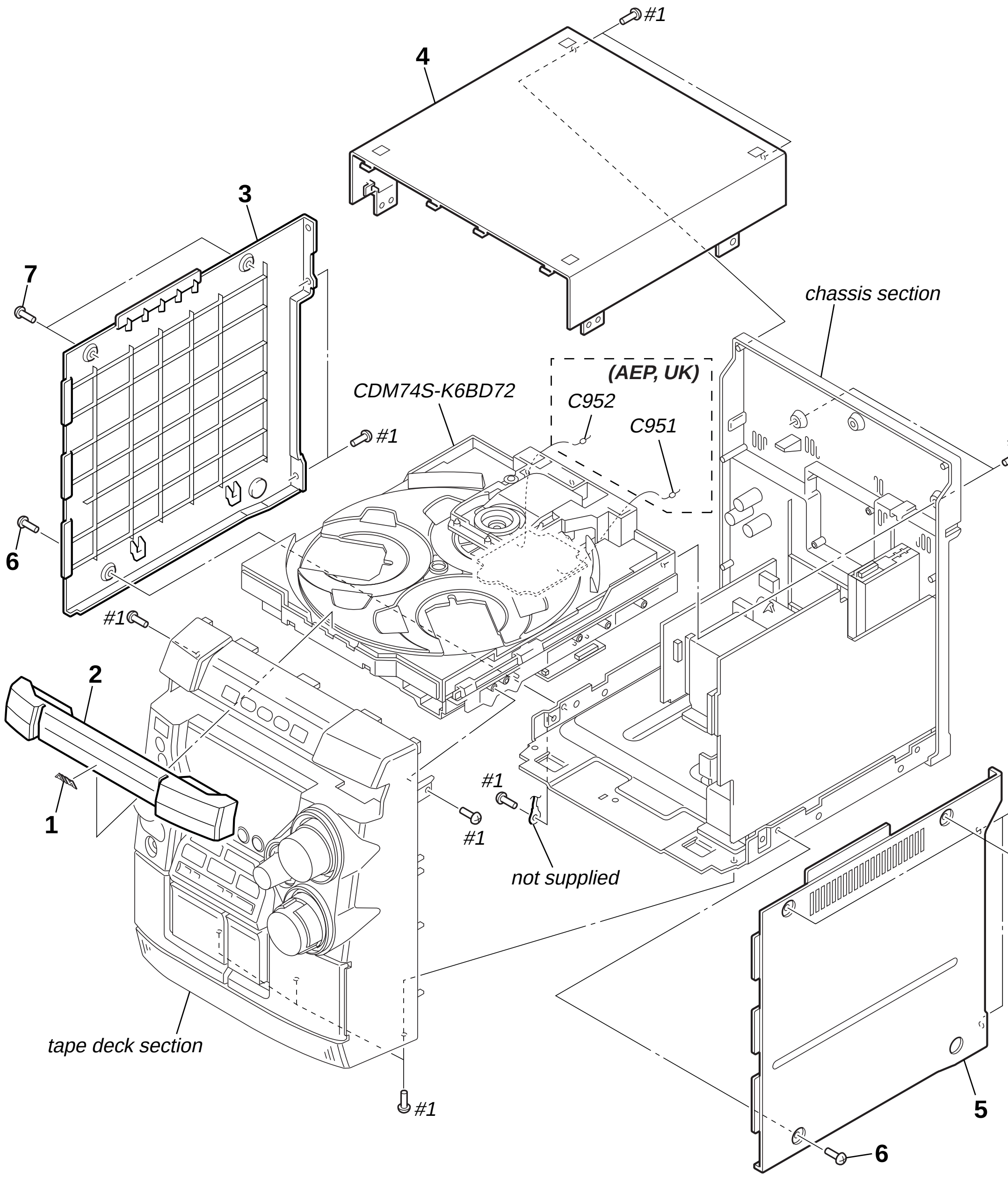
Pin No.	Pin Name	I/O	Description
53	REC FWD/S11	I/O	Recording (forward direction) detection signal input and segment drive signal output to the fluorescent indicator tube
54	A HALF/S12	I/O	Deck-A cassette detection signal input and segment drive signal output to the fluorescent indicator tube
55	A MODE/S13	I/O	Deck-A mode detection signal input and segment drive signal output to the fluorescent indicator tube
56 to 71	S14 to S29	O	Segment drive signal output to the fluorescent indicator tube
72	VDD4	—	Power supply terminal (+3.3V)
73	S30	O	Segment drive signal output to the fluorescent indicator tube
74	CD NUMBER SENS	I	CD table address detection signal input terminal
75	TUNED	I	Tuning detection signal input from the tuner pack
76	STEREO	I	FM stereo detection signal input from the tuner pack
77	VOL A	I	Jog dial pulse input terminal (VOLUME)
78	VOL B	I	Jog dial pulse input terminal (VOLUME)
79	JOG A	I	Jog dial pulse input terminal (MULTI JOG)
80	JOG B	I	Jog dial pulse input terminal (MULTI JOG)
81	TRE A	I	Jog dial pulse input terminal (TREBLE)
82	TRE B	I	Jog dial pulse input terminal (TREBLE)
83	BASS A	I	Jog dial pulse input terminal (BASS)
84	BASS B	I	Jog dial pulse input terminal (BASS)
85	TUNER MUTE	O	Tuner muting on/off control signal output terminal
86	LED L	O	LED drive signal output terminal Not used
87	LED R	O	LED drive signal output terminal Not used
88	CLK	O	Serial data transfer clock signal output to the tuner pack, motor/plunger/LED driver and BBE controller
89	VSS2	—	Ground terminal
90	VDD2	—	Power supply terminal (+3.3V)
91	VF ON	O	Not used
92	KEYSCAN	O	Scan signal output for switches in the tape deck section
93	POWER LED	O	LED drive signal output terminal
94	POWER	O	Power on/off control signal output terminal
95	CD DRF	I	Focus on detection signal input from the CD DSP
96	TU DI	I	Serial data input from the tuner pack
97	CD WRQ	I	Interrupt request signal input from the CD DSP
98	CD DI	I	Serial data input from the CD DSP
99	CD DO	O	Serial data output to the CD DSP
100	CD CLK	O	Serial data transfer clock signal output to the CD DSP

SECTION 7
EXPLODED VIEWS

NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  AUS : Australian model
  E51 : Chilean and Peruvian models
  EA : Saudi Arabia model
  SP : Singapore model
  TW : Taiwan model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.

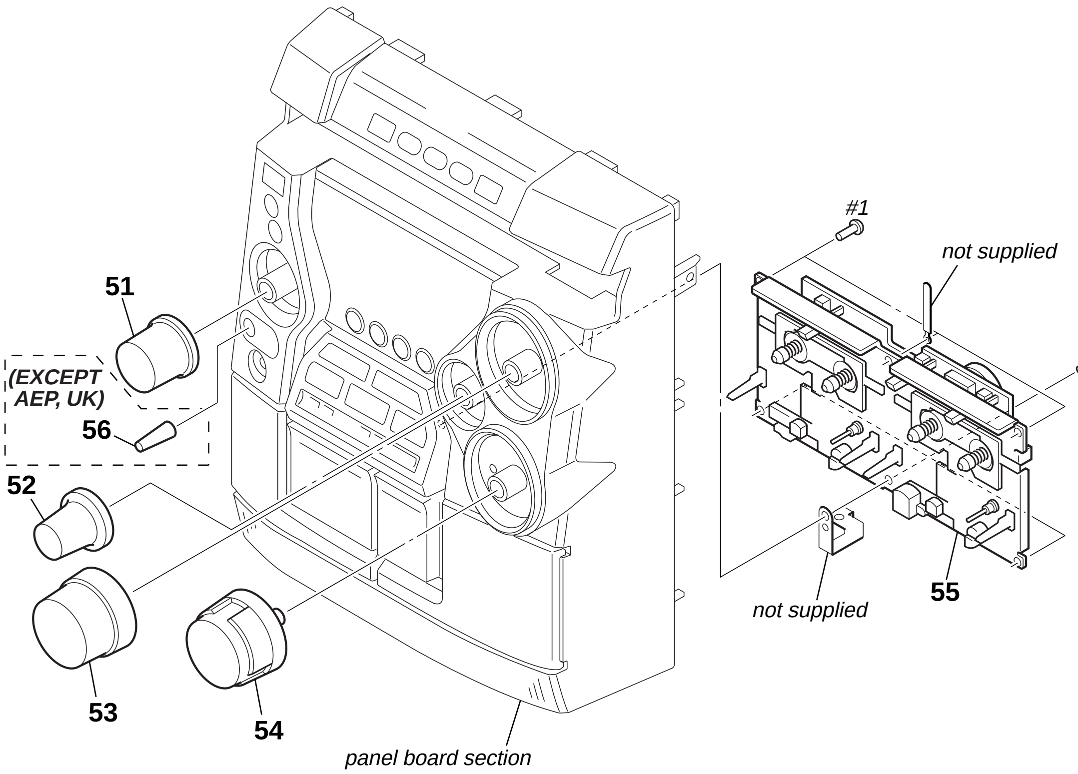
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

7-1. CASE SECTION



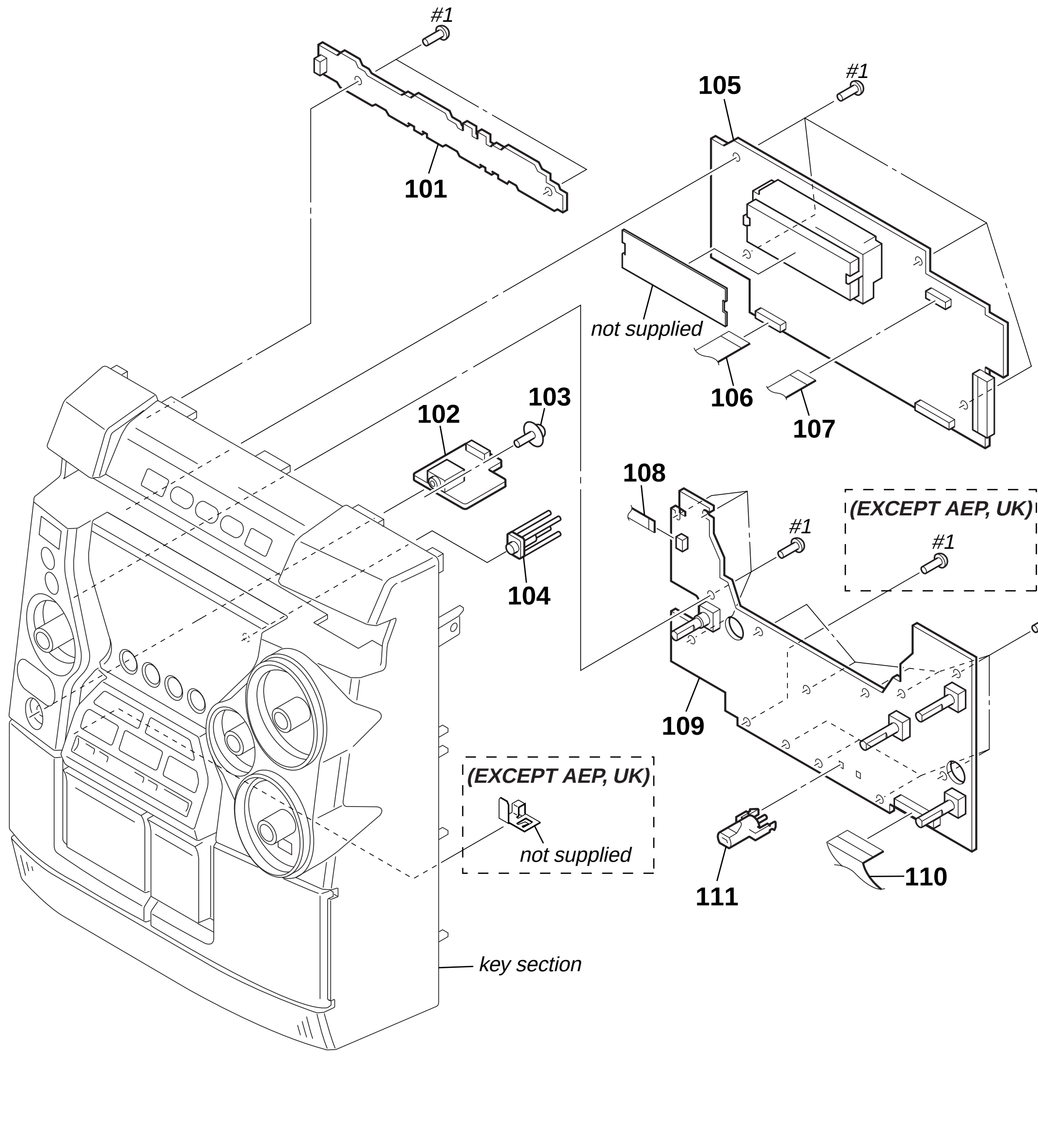
Ref. No.	Part No.	Description	Remark
1	4-245-158-01	EMBLEM	
2	4-245-186-51	PANEL, TRAY	
3	4-245-183-91	CASE (SIDE-L)	
4	4-244-849-91	CASE (TOP)	
5	4-245-184-91	CASE (SIDE-R)	
6	3-363-099-02	SCREW (CASE 3 TP2)	
7	3-363-099-32	SCREW (CASE 3 TP2)	
C951	1-127-888-11	CERAMIC 0.1uF 10% 50V	(AEP, UK)
C952	1-127-888-11	CERAMIC 0.1uF 10% 50V	(AEP, UK)
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

7-2. TAPE DECK SECTION



Ref. No.	Part No.	Description	Remark
51	4-245-177-11	ROTARY (JOG), KNOB	
52	4-245-179-11	ROTARY (TRE), KNOB	
53	4-245-182-11	PLATING, KNOB ROTARY (VOL)	
54	4-245-176-11	PLATING, KNOB ROTARY (BASS)	
55	1-796-485-51	DECK, MECHANICAL (CWM43FF13)	
56	4-245-289-11	KNOB (MIC), ROTARY (EXCEPT AEP, UK)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

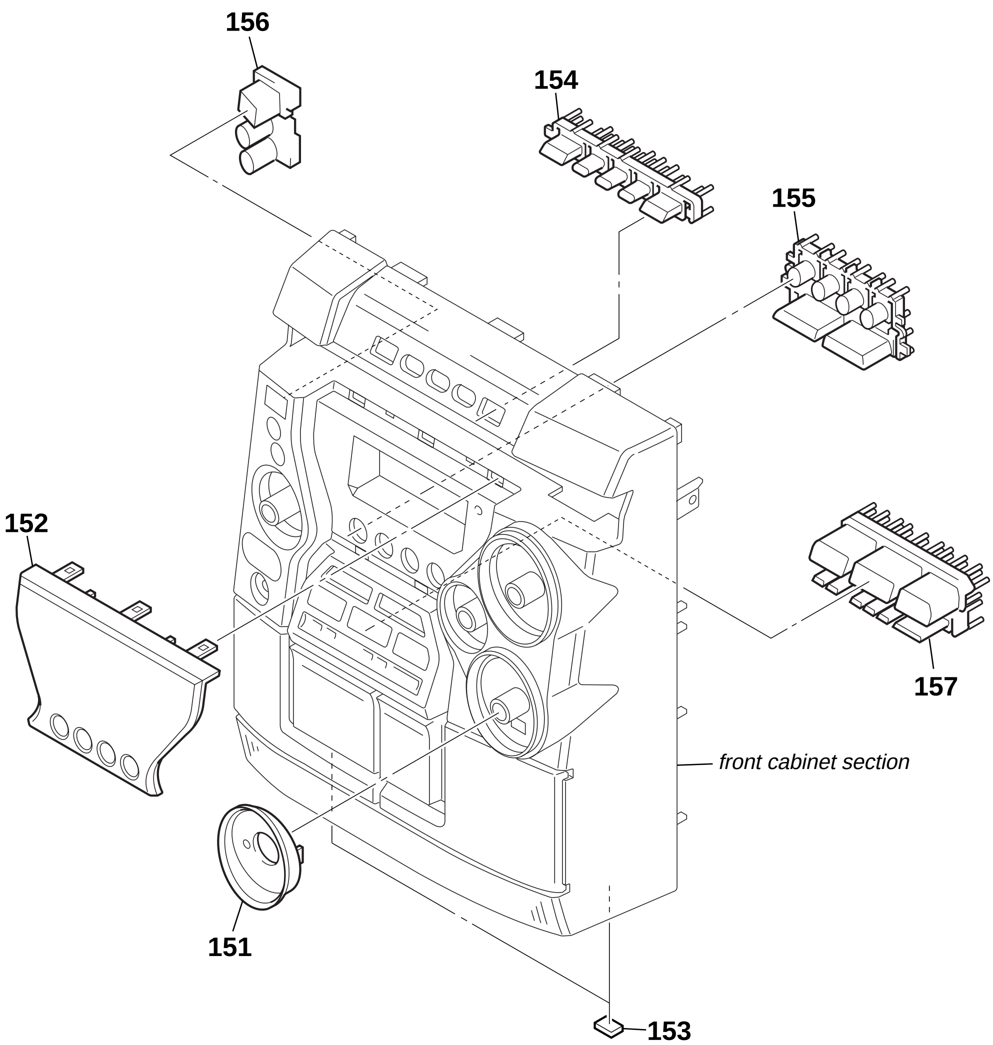
7-3. PANEL BOARD SECTION



Ref. No.	Part No.	Description	Remark
101	1-861-661-11	CD KEY BOARD	
102	1-688-400-15	HP BOARD	
103	3-229-336-01	SCREW, +BVWH TAPPING (AEP, UK, E, E51, AUS)	
103	3-229-336-11	SCREW, +BVWH TAPPING (EA, SP, TW)	
104	4-245-189-01	REFLECTOR, REMOTE CONTROL	
105	A-1055-453-A	PANEL BOARD, COMPLETE (EA)	
105	A-4752-866-A	PANEL BOARD, COMPLETE (AEP, UK)	
105	A-4752-867-A	PANEL BOARD, COMPLETE (E, SP, TW, AUS)	
105	A-4752-872-A	PANEL BOARD, COMPLETE (E51)	

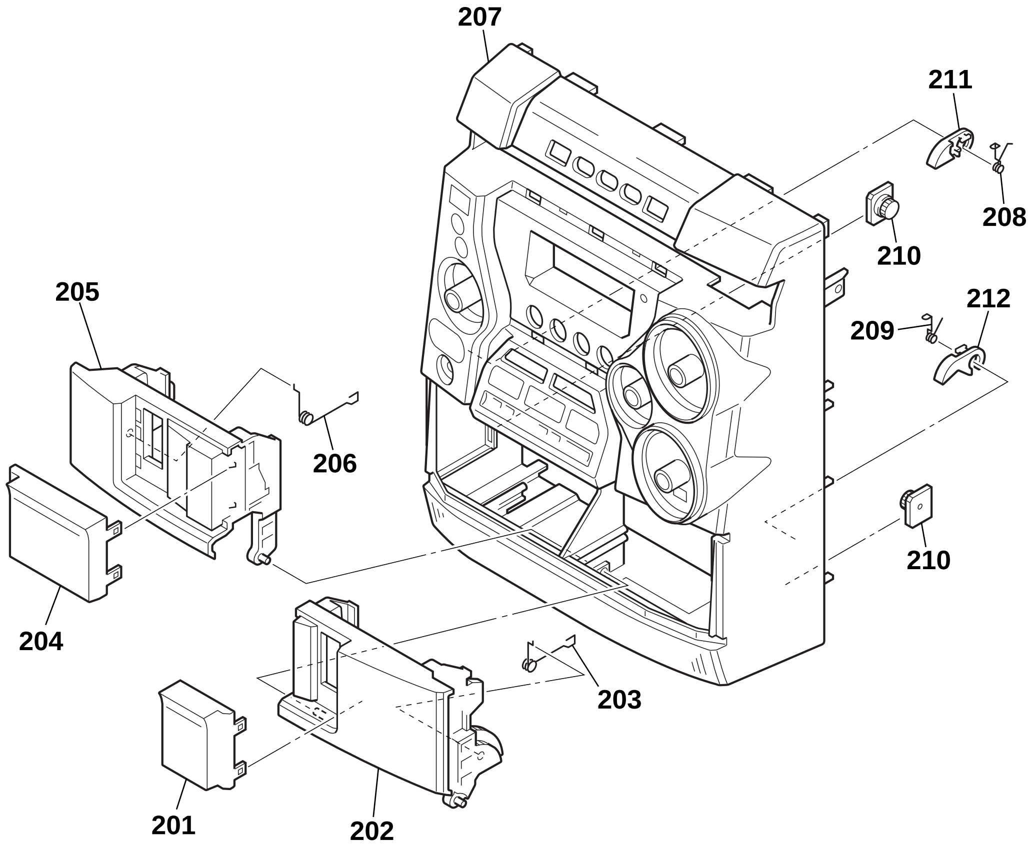
Ref. No.	Part No.	Description	Remark
106	1-751-688-11	WIRE (FLAT TYPE) (13 CORE)	
107	1-769-944-11	WIRE (FLAT TYPE) (11 CORE)	
108	1-769-857-11	WIRE (FLAT TYPE) (5 CORE)	
109	A-4732-748-A	KEY BOARD, COMPLETE (E51)	
109	A-4732-922-A	KEY BOARD, COMPLETE (AEP, UK)	
109	A-4734-690-A	KEY BOARD, COMPLETE (E, EA, SP, TW, AUS)	
110	1-773-182-11	WIRE (FLAT TYPE) (23 CORE)	
111	4-245-264-01	GUIDE (I BASS)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

7-4. KEY SECTION



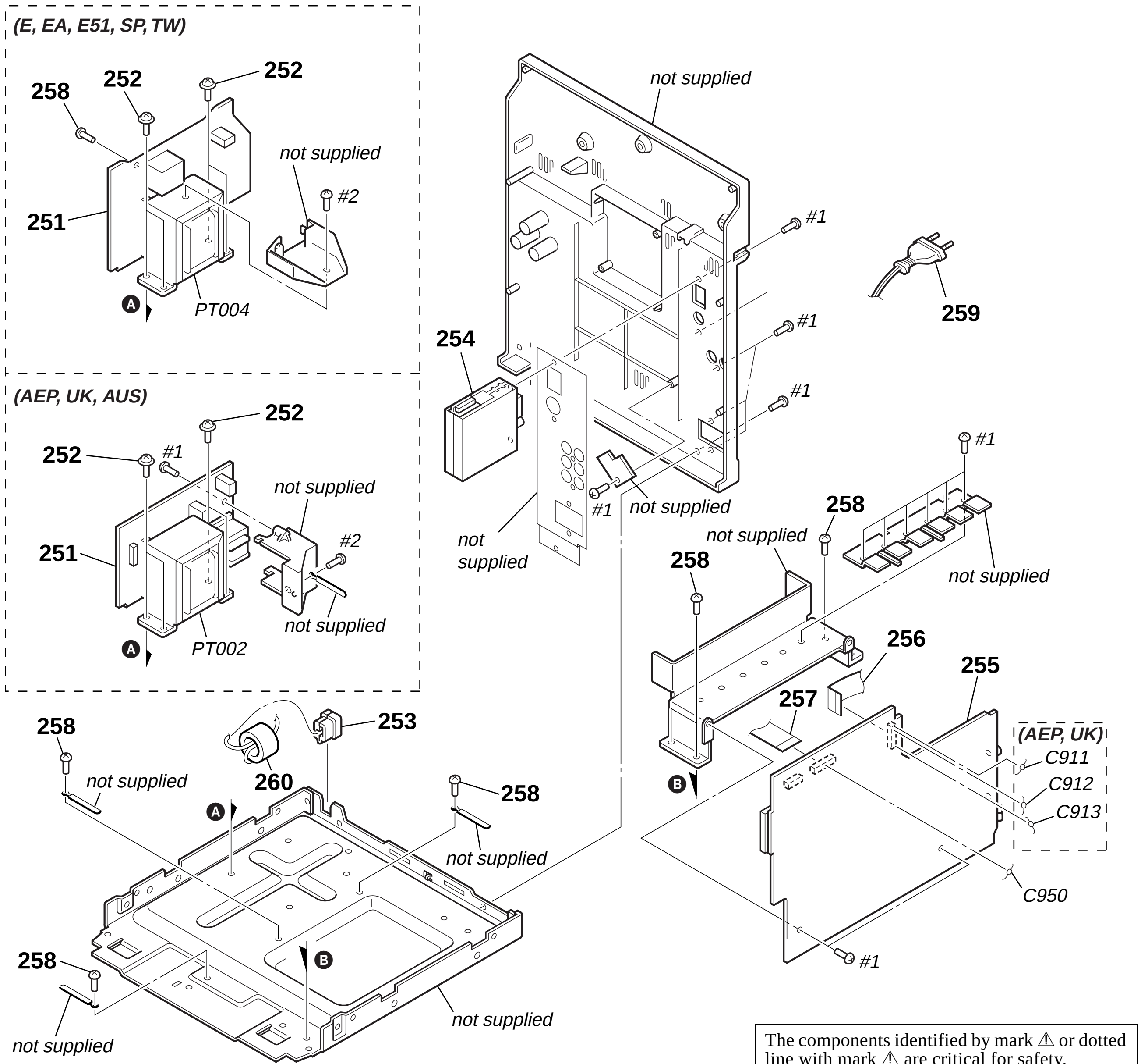
Ref. No.	Part No.	Description	Remark
151	4-245-193-01	RING (BASS)	
152	4-254-978-01	WINDOW, DISPLAY (AEP, UK)	
152	4-254-978-11	WINDOW, DISPLAY (E, EA, SP, TW, AUS)	
152	4-254-978-51	WINDOW, DISPLAY (E51)	
153	4-233-980-01	RUBBER FOOT	
154	4-245-171-11	KEY (CD) (DISC CHANGE. 1. 2. 3. ⏏)	
155	4-245-172-21	KEY (FUN) (TAPE A/B. TUNER BAND. VIDEO/AUX. CD. ►. ■)	
156	X-4956-404-1	KEY ASSY (POWER)	
157	X-4956-405-1	KEY ASSY (OPE) (◄◄. ❚❚. ►►. SYNC DUB. ● REC/REC MUTING. DISPLAY. ALBUM. i-BASS) (EXCEPT AEP, UK)	
157	X-4956-403-1	KEY ASSY (RDS) (◄◄. ❚❚. ►►. SYNC DUB. ● REC/REC MUTE. i-BASS) (AEP, UK)	

7-5. FRONT CABINET SECTION



Ref. No.	Part No.	Description	Remark
201	4-245-198-01	WINDOW (2), CASSETTE	
202	4-245-160-21	BOX (2), CASSETTE	
203	4-245-196-01	SPRING (BOX CASS R), TORSION	
204	4-245-197-01	WINDOW (1), CASSETTE	
205	4-245-159-11	BOX (1), CASSETTE	
206	4-245-195-01	SPRING (BOX CASS L), TORSION	
207	4-254-979-01	CABINET, FRONT (AEP, UK)	
207	4-254-979-11	CABINET, FRONT (EXCEPT AEP, UK)	
208	4-231-836-01	SPRING (HEART CAM-A)	
209	4-231-841-01	SPRING (HEART CAM-B)	
210	4-224-104-41	DAMPER	
211	4-231-824-01	CAM (A), HEART	
212	4-231-825-01	CAM (B), HEART	

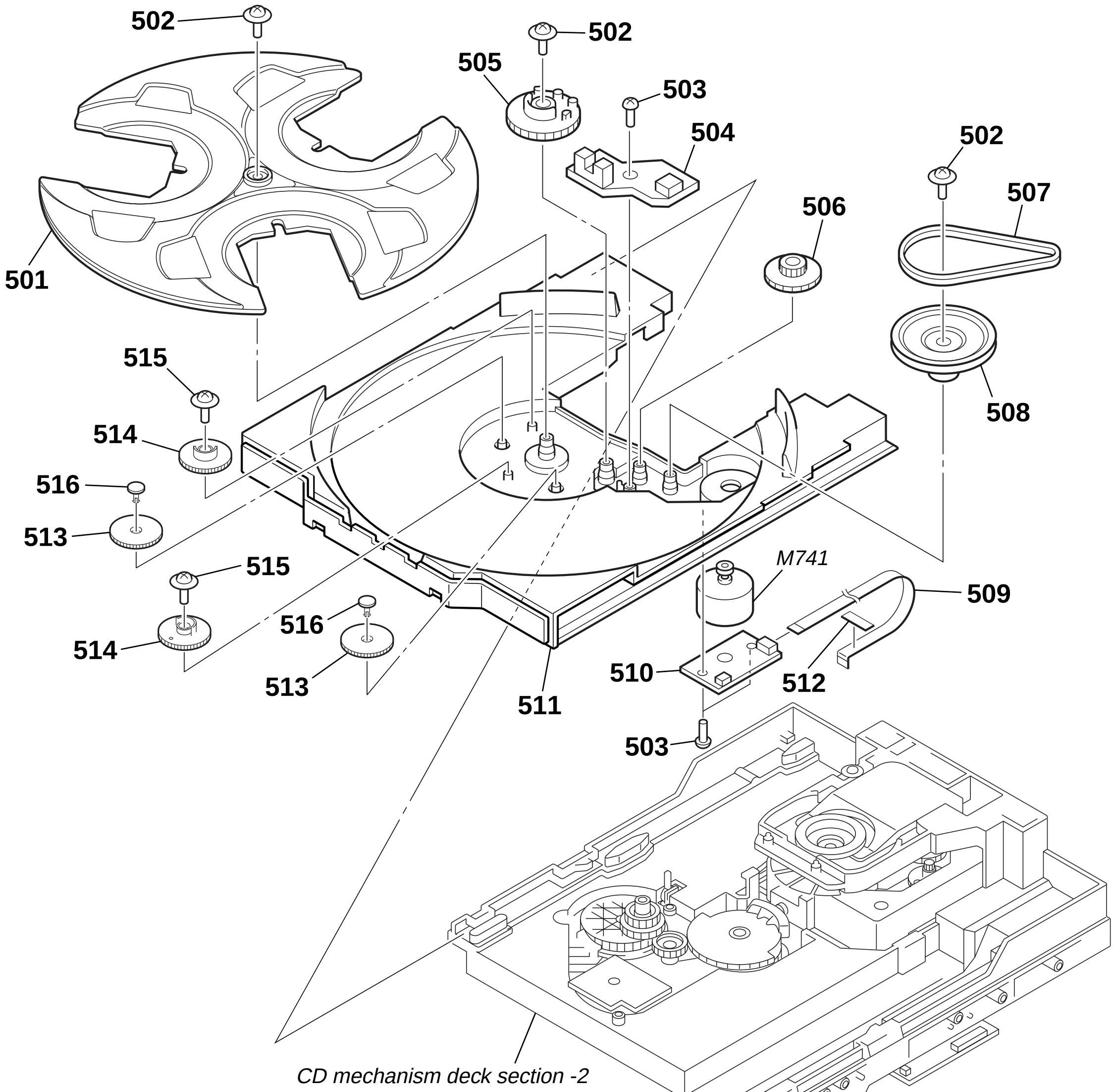
7-6. CHASSIS SECTION



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

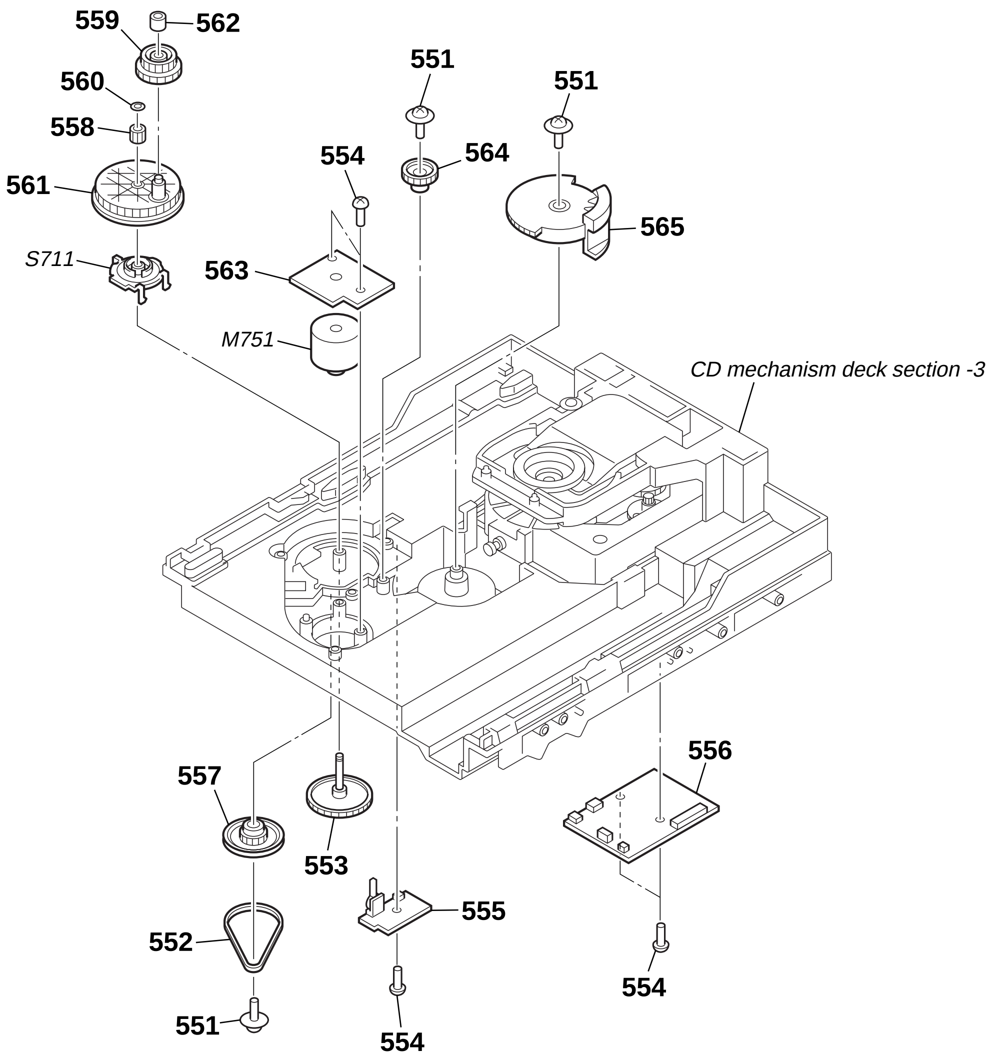
Ref. No.	Part No.	Description	Remark
251	1-688-399-15	PT BOARD (AEP, UK, AUS)	
251	1-688-763-12	PT BOARD (E, EA, E51, SP, TW)	
252	4-900-386-01	SCREW	
253	3-703-244-00	BUSHING (2104), CORD (EXCEPT E)	
253	3-703-571-00	BUSHING (S) (4516), CORD (E)	
254	1-693-615-11	TUNER (FM/AM) (EXCEPT AEP, UK)	
254	1-693-616-11	TUNER (FM/AM) (AEP, UK)	
255	A-4752-863-A	MAIN BOARD, COMPLETE (AEP, UK)	
255	A-4752-871-A	MAIN BOARD, COMPLETE (E, EA, SP, TW)	
255	A-4752-874-A	MAIN BOARD, COMPLETE (E51)	
255	A-4752-876-A	MAIN BOARD, COMPLETE (AUS)	
256	1-769-943-11	WIRE (FLAT TYPE) (11 CORE) (EXCEPT AEP, UK)	
256	1-773-007-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK)	
257	1-827-222-11	WIRE (FLAT TYPE) (19 CORE)	
258	3-970-608-11	SUMITITE (B3), +BV	
⚠259	1-696-571-11	CORD, POWER (EA)	
⚠259	1-757-140-11	CORD, POWER (AEP, E51, SP)	
⚠259	1-775-787-62	CORD, POWER (UK)	
⚠259	1-775-790-42	CORD, POWER (AUS)	
⚠259	1-827-226-21	CORD, POWER (E)	
⚠259	1-827-597-11	CORD, POWER (TW)	
260	1-400-285-11	F-BEAD, E2515MRT	
C911	1-162-282-31	CERAMIC 100PF 10% 50V	(AEP, UK)
C912	1-162-282-31	CERAMIC 100PF 10% 50V	(AEP, UK)
C913	1-128-821-11	CERAMIC 1000PF 5% 50V	(AEP, UK)
C950	1-128-815-11	CERAMIC 330PF 5% 50V	
⚠PT002	1-439-845-11	TRANSFORMER, POWER (AEP, UK)	
⚠PT002	1-443-050-11	TRANSFORMER, POWER (AUS)	
⚠PT004	1-439-928-11	TRANSFORMER, POWER (E, E51, SP, TW)	
⚠PT004	1-439-931-11	TRANSFORMER, POWER (EA)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#2	7-685-872-09	SCREW +BVTT 3X8 (S)	

7-7. CD MECHANISM DECK SECTION-1 (CDM74S-K6BD72)



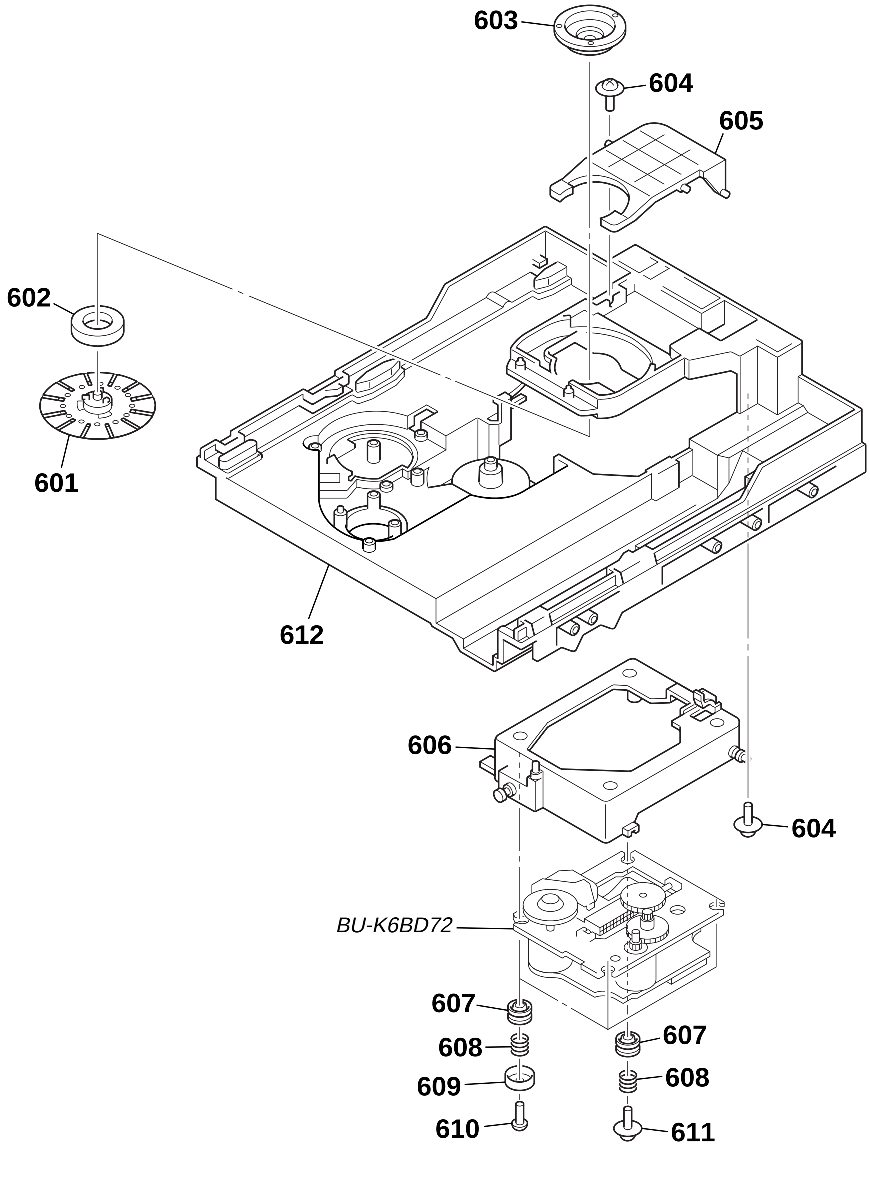
Ref. No.	Part No.	Description	Remark
501	4-243-815-01	TABLE (LOADING)	
502	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING	
503	4-218-253-21	SCREW (M2.6), +BTTP	
504	1-687-132-12	SENSOR BOARD	
505	4-243-819-01	GEAR (GENEVA)	
506	4-243-820-01	GEAR (TABLE)	
507	4-243-823-01	BELT (TABLE)	
508	4-243-821-01	PULLEY (TABLE)	
509	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)	
510	1-687-134-12	MOTOR (TB) BOARD	
511	4-243-816-01	TRAY	
512	3-231-598-01	SHEET (BA)	
513	4-245-570-01	GEAR (JOINT)	
514	4-245-571-02	GEAR (STOPPER)	
515	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
516	4-245-572-01	BUSHING (GEAR)	
M741	A-4723-963-A	MOTOR ASSY, TABLE	

7-8. CD MECHANISM DECK SECTION-2 (CDM74S-K6BD72)



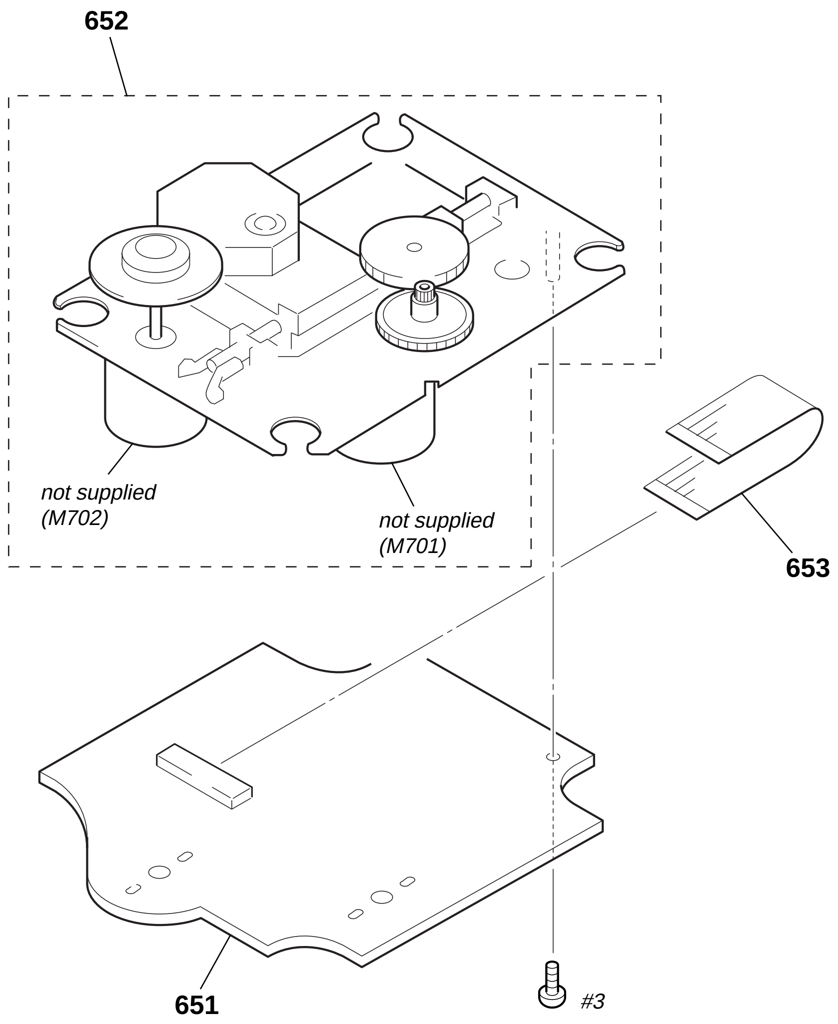
Ref. No.	Part No.	Description	Remark
551	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING	
552	4-244-034-01	BELT (LOADING)	
553	4-224-613-01	GEAR (SHAFT)	
554	4-218-253-31	SCREW (M2.6), +BTTP	
555	1-687-669-12	SW BOARD	
556	1-687-135-12	DRIVER BOARD	
557	4-225-844-01	GEAR (LOADING A)	
558	4-224-611-01	GEAR (LOADING B)	
559	4-224-609-01	GEAR (LOADING C)	
560	3-016-533-11	WASHER (FR), STOPPER	
561	4-244-108-01	GEAR, SWING	
562	4-224-608-01	COLLAR, SWING	
563	1-687-133-12	MOTOR (LD) BOARD	
564	4-224-606-01	GEAR (RV)	
565	4-243-818-01	GEAR (U/D)	
M751	A-4736-655-A	MOTOR ASSY, LOADING	
S711	1-477-680-12	ENCODER, ROTARY (DISC TRAY ADDRESS DETECT)	

7-9. CD MECHANISM DECK SECTION-3 (CDM74S-K6BD72)



Ref. No.	Part No.	Description	Remark
601	X-4955-707-2	PULLEY (A5) ASSY, CHUCKING	
602	1-471-035-11	MAGNET ASSY	
603	4-231-189-01	PULLEY (B), CHUCKING	
604	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING	
605	4-243-822-02	LEVER (LIFTER)	
606	X-4955-536-1	HOLDER (213) ASSY	
607	4-227-549-11	INSULATOR	
608	4-227-045-31	SPRING (INSULATOR), COIL	
609	4-231-151-01	STOPPER (BU)	
610	4-218-253-31	SCREW (M2.6), +BTTP	
611	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
612	4-243-817-01	CHASSIS	

7-10. BASE UNIT SECTION (BU-K6BD72)



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
651	A-4734-406-A	BD BOARD, COMPLETE	
⚠652	A-4735-357-A	BASE ASSY, OP (KSM-213DCP) (including M701 (SLED), M702 (SPINDLE))	
653	1-792-024-11	WIRE (FLAT TYPE) (16 CORE)	
#3	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	

SECTION 8
ELECTRICAL PARTS LIST

BD

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA. . : μA. . uPA. . : μPA. .
  uPB. . : μPB. . uPC. . : μPC. .
  uPD. . : μPD. .
- CAPACITORS
  uF: μF
- COILS
  uH: μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

- Abbreviation
  AUS : Australian model
  E51 : Chilean and Peruvian models
  EA : Saudi Arabia model
  SP : Singapore model
  TW : Taiwan model

Ref. No.	Part No.	Description			Remark
	A-4734-406-A	BD BOARD, COMPLETE			
		*******************			
		< CAPACITOR >			
C701	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C702	1-124-584-00	ELECT	100uF	20%	10V
C703	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C704	1-124-589-11	ELECT	47uF	20%	16V
C705	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C706	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C707	1-124-584-00	ELECT	100uF	20%	10V
C708	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C709	1-124-584-00	ELECT	100uF	20%	10V
C710	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C711	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C712	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C713	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C714	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C715	1-126-160-11	ELECT	1uF	20%	50V
C716	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C717	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C718	1-115-156-11	CERAMIC CHIP	1uF		10V
C719	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C720	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C721	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C722	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C723	1-124-584-00	ELECT	100uF	20%	10V
C729	1-126-923-11	ELECT	220uF	20%	10V
C731	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C732	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C733	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C734	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C735	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C741	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C742	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C743	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C744	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C745	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C746	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C747	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C748	1-126-923-11	ELECT	220uF	20%	10V
C750	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C751	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C752	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C753	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C754	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C756	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
		< CONNECTOR >			
CN708	1-793-907-11	CONNECTOR, FFC/FPC 16P			
CN710	1-784-741-11	CONNECTOR, FFC 19P			
		< FERRITE BEAD >			
FB701	1-550-907-21	BEAD, FERRITE (CHIP) (2012)			
FB707	1-550-907-21	BEAD, FERRITE (CHIP) (2012)			
FB708	1-550-907-21	BEAD, FERRITE (CHIP) (2012)			
		< IC >			
IC721	6-701-796-01	IC LC78646E-E			
IC722	6-704-220-01	IC BA5836FP			
		< TRANSISTOR >			
Q701	8-729-054-57	TRANSISTOR	KTN2907AS-RTK		
		< RESISTOR >			
R701	1-216-841-11	METAL CHIP	47K	5%	1/10W
R702	1-216-835-11	METAL CHIP	15K	5%	1/10W
R703	1-216-835-11	METAL CHIP	15K	5%	1/10W
R704	1-216-835-11	METAL CHIP	15K	5%	1/10W
R705	1-216-835-11	METAL CHIP	15K	5%	1/10W
R706	1-216-841-11	METAL CHIP	47K	5%	1/10W
R707	1-216-797-11	METAL CHIP	10	5%	1/10W
R708	1-216-833-11	METAL CHIP	10K	5%	1/10W
R709	1-216-838-11	METAL CHIP	27K	5%	1/10W
R711	1-216-815-11	METAL CHIP	330	5%	1/10W
R713	1-216-821-11	METAL CHIP	1K	5%	1/10W
R714	1-216-809-11	METAL CHIP	100	5%	1/10W
R715	1-216-809-11	METAL CHIP	100	5%	1/10W
R716	1-216-809-11	METAL CHIP	100	5%	1/10W
R717	1-216-809-11	METAL CHIP	100	5%	1/10W
R718	1-216-809-11	METAL CHIP	100	5%	1/10W
R719	1-216-809-11	METAL CHIP	100	5%	1/10W
R720	1-216-809-11	METAL CHIP	100	5%	1/10W
R721	1-216-809-11	METAL CHIP	100	5%	1/10W
R722	1-216-809-11	METAL CHIP	100	5%	1/10W
R725	1-216-819-11	METAL CHIP	680	5%	1/10W

BD | **CD KEY** | **DRIVER** | **HP**

Ref. No.	Part No.	Description			Remark
R726	1-216-819-11	METAL CHIP	680	5%	1/10W
R727	1-216-809-11	METAL CHIP	100	5%	1/10W
R728	1-216-841-11	METAL CHIP	47K	5%	1/10W
R729	1-216-834-11	METAL CHIP	12K	5%	1/10W
R730	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R732	1-216-864-11	SHORT CHIP	0		
R738	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R739	1-216-864-11	SHORT CHIP	0		
R740	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R741	1-216-864-11	SHORT CHIP	0		
R744	1-216-845-11	METAL CHIP	100K	5%	1/10W
R745	1-216-809-11	METAL CHIP	100	5%	1/10W
R746	1-216-803-11	METAL CHIP	33	5%	1/10W
R747	1-216-803-11	METAL CHIP	33	5%	1/10W
R751	1-216-841-11	METAL CHIP	47K	5%	1/10W
R752	1-216-841-11	METAL CHIP	47K	5%	1/10W
R753	1-216-841-11	METAL CHIP	47K	5%	1/10W
R754	1-216-841-11	METAL CHIP	47K	5%	1/10W
R760	1-216-809-11	METAL CHIP	100	5%	1/10W
R765	1-216-857-11	METAL CHIP	1M	5%	1/10W
		< SWITCH >			
S701	1-771-853-11	SWITCH, DETECTION (LIMIT IN)			
		< VIBRATOR >			
X701	1-579-280-11	VIBRATOR, CRYSTAL (16.9344MHz)			
**					
	1-861-661-11	CD KEY BOARD			
		*************			
		< CONNECTOR >			
CN302	1-784-766-11	CONNECTOR, FFC 5P			
		< RESISTOR >			
R326	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R327	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R328	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R329	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
		< SWITCH >			
S319	1-762-875-21	SWITCH, KEYBOARD (OPEN/CLOSE ⏏)			
S320	1-762-875-21	SWITCH, KEYBOARD (DISC DIRECT PLAY 3)			
S321	1-762-875-21	SWITCH, KEYBOARD (DISC DIRECT PLAY 2)			
S322	1-762-875-21	SWITCH, KEYBOARD (DISC DIRECT PLAY 1)			
S323	1-762-875-21	SWITCH, KEYBOARD (DISC CHANGE)			
**					
	1-687-135-12	DRIVER BOARD			
		*************			
		< CAPACITOR >			
C715	1-126-933-11	ELECT	100uF	20%	16V
C731	1-126-964-11	ELECT	10uF	20%	50V
C735	1-164-159-21	CERAMIC	0.1uF		50V
C736	1-164-159-21	CERAMIC	0.1uF		50V
C737	1-164-159-21	CERAMIC	0.1uF		50V

Ref. No.	Part No.	Description			Remark
C741	1-162-306-11	CERAMIC	0.01uF	20%	16V
C751	1-162-306-11	CERAMIC	0.01uF	20%	16V
C752	1-164-159-21	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CN701	1-785-338-11	PIN, CONNECTOR (LIGHT ANGLE) 12P			
CN702	1-784-766-11	CONNECTOR, FFC 5P			
* CN703	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN704	1-785-328-11	PIN, CONNECTOR (LIGHT ANGRE) 2P			
		< DIODE >			
D701	8-719-921-42	DIODE MTZJ-5.1A			
D711	8-719-109-69	DIODE RD3.6ESB2			
		< IC >			
IC701	8-759-598-69	IC BA6956AN			
IC712	8-759-598-69	IC BA6956AN			
		< TRANSISTOR >			
Q731	8-729-029-66	TRANSISTOR	DTC114ESA		
		< RESISTOR >			
R701	1-249-413-11	CARBON	470	5%	1/4W
R702	1-247-807-31	CARBON	100	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W
R712	1-249-425-11	CARBON	4.7K	5%	1/4W
R713	1-249-433-11	CARBON	22K	5%	1/4W
R721	1-249-425-11	CARBON	4.7K	5%	1/4W
R722	1-249-425-11	CARBON	4.7K	5%	1/4W
R723	1-249-425-11	CARBON	4.7K	5%	1/4W
R731	1-247-807-31	CARBON	100	5%	1/4W
R732	1-249-429-11	CARBON	10K	5%	1/4W
R733	1-249-417-11	CARBON	1K	5%	1/4W
R734	1-249-430-11	CARBON	12K	5%	1/4W
R735	1-247-807-31	CARBON	100	5%	1/4W
R751	1-249-425-11	CARBON	4.7K	5%	1/4W
**					
	1-688-400-15	HP BOARD			
		*********			
		< CAPACITOR >			
C250	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
		< JACK >			
J221	1-785-448-21	JACK (PHONES)			
		< RESISTOR >			
R221	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R222	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R223	1-260-089-11	CARBON	150	5%	1/2W
				(EXCEPT AEP, UK)	
R224	1-260-089-11	CARBON	150	5%	1/2W
				(EXCEPT AEP, UK)	
R225	1-260-089-11	CARBON	150	5%	1/2W
				(EXCEPT AEP, UK)	
R225	1-260-090-61	CARBON	180	5%	1/2W
					(AEP, UK)

Ref. No.	Part No.	Description			Remark
R226	1-260-089-11	CARBON	150	5%	1/2W (EXCEPT AEP, UK)
R226	1-260-090-61	CARBON	180	5%	1/2W (AEP, UK)
		< WIRE HOLDER >			
WH230	1-816-818-11	HOLDER, WIRE 5P			

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Ref. No.	Part No.	Description			Remark
	A-4732-748-A	KEY BOARD, COMPLETE (E51)			
	A-4732-922-A	KEY BOARD, COMPLETE (AEP, UK)			
	A-4734-690-A	KEY BOARD, COMPLETE (E, EA, SP, TW, AUS)			
		********************			
		< CAPACITOR >			
C402	1-164-156-11	CERAMIC CHIP	0.1uF		25V (EXCEPT AEP, UK)
C403	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V (EXCEPT AEP, UK)
C404	1-126-957-11	ELECT	0.22uF	20%	50V (EXCEPT AEP, UK)
C405	1-126-960-11	ELECT	1uF	20%	50V (EXCEPT AEP, UK)
C406	1-126-923-11	ELECT	220uF	20%	10V (EXCEPT AEP, UK)
C407	1-162-926-11	CERAMIC CHIP	82PF	5%	50V (EXCEPT AEP, UK)
C408	1-126-956-11	ELECT	0.1uF	20%	50V (EXCEPT AEP, UK)
C409	1-126-934-11	ELECT	220uF	20%	16V (EXCEPT AEP, UK)
C410	1-126-965-11	ELECT	22uF	20%	50V (EXCEPT AEP, UK)
C411	1-164-473-11	CERAMIC CHIP	820PF	5%	50V (EXCEPT AEP, UK)
C412	1-126-960-11	ELECT	1uF	20%	50V (EXCEPT AEP, UK)
C416	1-126-956-11	ELECT	0.1uF	20%	50V (EXCEPT AEP, UK)
C419	1-164-156-11	CERAMIC CHIP	0.1uF		25V (EXCEPT AEP, UK)
C441	1-100-597-11	CERAMIC CHIP	0.1uF	10%	25V (EXCEPT AEP, UK)
C801	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C802	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C803	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C804	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C805	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C806	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C807	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C808	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONNECTOR >			
CN301	1-784-766-11	CONNECTOR, FFC 5P			
CN303	1-784-784-11	CONNECTOR, FFC 23P			
		< DIODE >			
D401	8-719-991-33	DIODE 1SS133T-77 (EXCEPT AEP, UK)			
		< FERRITE BEAD >			
FB401	1-410-396-41	FERRITE	0.45uH (EXCEPT AEP, UK)		
		< IC >			
IC401	8-759-710-97	IC NJM4565M-D (EXCEPT AEP, UK)			
		< JACK >			
J401	1-816-860-11	JACK, 6.3 BLK MONO W/SW V MSC (MIC)			(EXCEPT AEP, UK)
		< SHORT >			
JR403	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK)		
JR404	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK)		
		< LED >			
LED201	8-719-053-43	LED SLR-325VCT31 (i-BASS)			
LED901	6-500-641-01	LED SLI-325URC (⏻ STANDBY/ON)			
		< FET >			
Q401	8-729-045-62	FET	2SK2158-T2B		(EXCEPT AEP, UK)
		< RESISTOR >			
R231	1-216-198-00	RES-CHIP	1K	5%	1/8W
R301	1-216-864-11	SHORT CHIP	0		
R302	1-216-821-11	METAL CHIP	1K	5%	1/10W
R303	1-216-820-11	METAL CHIP	820	5%	1/10W
R304	1-216-821-11	METAL CHIP	1K	5%	1/10W
R305	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R306	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R311	1-216-864-11	SHORT CHIP	0		
R312	1-216-821-11	METAL CHIP	1K	5%	1/10W
R313	1-216-820-11	METAL CHIP	820	5%	1/10W
R314	1-216-821-11	METAL CHIP	1K	5%	1/10W
R315	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R316	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R317	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R318	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R321	1-216-864-11	SHORT CHIP	0		
R322	1-216-821-11	METAL CHIP	1K	5%	1/10W
R323	1-216-820-11	METAL CHIP	820	5%	1/10W
R324	1-216-821-11	METAL CHIP	1K	5%	1/10W
R325	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R401	1-216-845-11	METAL CHIP	100K	5%	1/10W (EXCEPT AEP, UK)
R402	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (EXCEPT AEP, UK)
R403	1-216-849-11	METAL CHIP	220K	5%	1/10W (EXCEPT AEP, UK)
R404	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W (EXCEPT AEP, UK)
R405	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (EXCEPT AEP, UK)
R406	1-216-850-11	METAL CHIP	270K	5%	1/10W (EXCEPT AEP, UK)
R407	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (EXCEPT AEP, UK)

KEY MAIN

Ref. No.	Part No.	Description	Remark
R408	1-216-174-00	RES-CHIP 100 5% 1/8W	(EXCEPT AEP, UK)
R409	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	(EXCEPT AEP, UK)
R410	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	(EXCEPT AEP, UK)
R411	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	(EXCEPT AEP, UK)
R412	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	(EXCEPT AEP, UK)
R413	1-216-839-11	METAL CHIP 33K 5% 1/10W	(EXCEPT AEP, UK)
R414	1-216-797-11	METAL CHIP 10 5% 1/10W	(EXCEPT AEP, UK)
R432	1-216-833-11	METAL CHIP 10K 5% 1/10W	(EXCEPT AEP, UK)
R801	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R802	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R803	1-216-797-11	METAL CHIP 10 5% 1/10W	
R804	1-216-797-11	METAL CHIP 10 5% 1/10W	
R805	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R806	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R807	1-216-797-11	METAL CHIP 10 5% 1/10W	
R808	1-216-797-11	METAL CHIP 10 5% 1/10W	
R809	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R810	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R811	1-216-797-11	METAL CHIP 10 5% 1/10W	
R812	1-216-797-11	METAL CHIP 10 5% 1/10W	
R813	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R814	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R815	1-216-797-11	METAL CHIP 10 5% 1/10W	
R816	1-216-797-11	METAL CHIP 10 5% 1/10W	
		< SWITCH/ROTART ENCODER >	
S301	1-762-875-21	SWITCH, KEYBOARD (PLAY/PRESET ►)	
S302	1-762-875-21	SWITCH, KEYBOARD (STOP/CLEAR ■)	
S303	1-762-875-21	SWITCH, KEYBOARD (TUNING DOWN ◄◄)	
S304	1-762-875-21	SWITCH, KEYBOARD (PAUSE/SET ❚❚)	
S305	1-762-875-21	SWITCH, KEYBOARD (TUNING DOWN ►►)	
S306	1-762-875-21	SWITCH, KEYBOARD (i-BASS)	
S307	1-762-875-21	SWITCH, KEYBOARD (MODE)	
S308	1-762-875-21	SWITCH, KEYBOARD (ENTER)	
S309	1-762-875-21	SWITCH, KEYBOARD (CD)	
S310	1-762-875-21	SWITCH, KEYBOARD (TAPE A/B)	
S311	1-762-875-21	SWITCH, KEYBOARD (TUNER, BAND)	
S312	1-762-875-21	SWITCH, KEYBOARD (VIDEO/AUX)	
S313	1-762-875-21	SWITCH, KEYBOARD (● REC, REC MUTING)	
S314	1-762-875-21	SWITCH, KEYBOARD (SYNC DUB)	
S315	1-762-875-21	SWITCH, KEYBOARD (POWER)	
S317	1-762-875-21	SWITCH, KEYBOARD (PTY) (AEP, UK)	
S318	1-762-875-21	SWITCH, KEYBOARD (RT) (AEP, UK)	
S801	1-786-396-11	SWITCH, ROTARY (ENCODER) (VOLUME)	
S802	1-786-396-11	SWITCH, ROTARY (ENCODER) (BASS)	
S803	1-477-824-11	ENCODER, ROTARY (TREBLE)	
S804	1-786-418-11	SWITCH, ROTARY (ENCODER) (MULTI JOG)	
		< VARIABLE RESISTOR >	
VR401	1-227-502-11	RES, VAR, CARBON 10K (MIC MIXING)	(EXCEPT AEP, UK)

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Ref. No.	Part No.	Description	Remark
	A-4752-863-A	MAIN BOARD, COMPLETE (AEP, UK)	
	A-4752-871-A	MAIN BOARD, COMPLETE (E, EA, SP, TW)	
	A-4752-874-A	MAIN BOARD, COMPLETE (E51)	
	A-4752-876-A	MAIN BOARD, COMPLETE (AUS)	
		**********************	
		< CAPACITOR/SHORT >	
C003	1-126-974-21	ELECT 3300uF 20% 50V	(E, EA, SP, TW, AUS)
C003	1-127-811-11	ELECT 3300uF 20% 50V	(E51)
C004	1-126-974-21	ELECT 3300uF 20% 50V	(E, EA, SP, TW, AUS)
C004	1-127-811-11	ELECT 3300uF 20% 50V	(E51)
C005	1-126-944-11	ELECT 3300uF 20% 25V	(AEP, UK)
C005	1-126-955-21	ELECT 4700uF 20% 35V	(EXCEPT AEP, UK)
C006	1-126-944-11	ELECT 3300uF 20% 25V	(AEP, UK)
C006	1-126-955-21	ELECT 4700uF 20% 35V	(EXCEPT AEP, UK)
C007	1-126-944-11	ELECT 3300uF 20% 25V	(AEP, UK)
C007	1-128-549-11	ELECT 3300uF 20% 35V	(EXCEPT AEP, UK)
C008	1-126-942-61	ELECT 1000uF 20% 25V	
C011	1-165-621-11	CERAMIC CHIP 0.1uF 50V	(EXCEPT AEP, UK)
C012	1-165-621-11	CERAMIC CHIP 0.1uF 50V	(EXCEPT AEP, UK)
C013	1-165-621-11	CERAMIC CHIP 0.1uF 50V	(EXCEPT AEP, UK)
C014	1-165-621-11	CERAMIC CHIP 0.1uF 50V	(EXCEPT AEP, UK)
C015	1-165-621-11	CERAMIC CHIP 0.1uF 50V	
C016	1-165-621-11	CERAMIC CHIP 0.1uF 50V	
C017	1-165-621-11	CERAMIC CHIP 0.1uF 50V	
C018	1-165-621-11	CERAMIC CHIP 0.1uF 50V	
C022	1-126-933-11	ELECT 100uF 20% 16V	
C023	1-126-948-11	ELECT 100uF 20% 35V	
C026	1-126-947-11	ELECT 47uF 20% 35V	
C029	1-126-947-11	ELECT 47uF 20% 35V	
C030	1-162-968-11	CERAMIC CHIP 0.0047uF 10% 50V	
C031	1-126-947-11	ELECT 47uF 20% 35V	
C032	1-104-663-11	ELECT 33uF 20% 25V	
C033	1-165-621-11	CERAMIC CHIP 0.1uF 50V	(EXCEPT AEP, UK)
C034	1-165-621-11	CERAMIC CHIP 0.1uF 50V	(EXCEPT AEP, UK)
C035	1-164-156-11	CERAMIC CHIP 0.1uF 25V	
C041	1-126-948-11	ELECT 100uF 20% 35V	(AEP, UK)
C041	1-126-964-11	ELECT 10uF 20% 50V	(EXCEPT AEP, UK)

MAIN

Ref. No.	Part No.	Description			Remark
C042	1-126-948-11	ELECT	100uF	20%	35V (AEP, UK)
C042	1-126-964-11	ELECT	10uF	20%	50V (EXCEPT AEP, UK)
C043	1-126-948-11	ELECT	100uF	20%	35V (AEP, UK)
C043	1-126-964-11	ELECT	10uF	20%	50V (EXCEPT AEP, UK)
C044	1-126-948-11	ELECT	100uF	20%	35V (AEP, UK)
C044	1-126-964-11	ELECT	10uF	20%	50V (EXCEPT AEP, UK)
C045	1-126-968-11	ELECT	100uF	20%	50V
C046	1-126-968-11	ELECT	100uF	20%	50V
C047	1-104-658-11	ELECT	100uF	20%	10V
C061	1-126-947-11	ELECT	47uF	20%	35V
C062	1-126-960-11	ELECT	1uF	20%	50V
C063	1-126-960-11	ELECT	1uF	20%	50V
C097	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C103	1-163-137-00	CERAMIC CHIP	680PF	5%	50V (AEP, UK)
C103	1-163-139-00	CERAMIC CHIP	820PF	5%	50V (EXCEPT AEP, UK)
C104	1-163-137-00	CERAMIC CHIP	680PF	5%	50V (AEP, UK)
C104	1-163-139-00	CERAMIC CHIP	820PF	5%	50V (EXCEPT AEP, UK)
C105	1-126-961-11	ELECT	2.2uF	20%	50V
C106	1-126-961-11	ELECT	2.2uF	20%	50V
C109	1-126-964-11	ELECT	10uF	20%	50V
C110	1-126-964-11	ELECT	10uF	20%	50V
C111	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C112	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C113	1-126-966-11	ELECT	33uF	20%	50V
C114	1-126-966-11	ELECT	33uF	20%	50V
C115	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C116	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C117	1-100-152-11	CERAMIC CHIP	100PF	5%	100V (EXCEPT AEP, UK)
C117	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C118	1-100-152-11	CERAMIC CHIP	100PF	5%	100V (EXCEPT AEP, UK)
C118	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C119	1-100-152-11	CERAMIC CHIP	100PF	5%	100V (EXCEPT AEP, UK)
C119	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
C120	1-100-152-11	CERAMIC CHIP	100PF	5%	100V (EXCEPT AEP, UK)
C120	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
C121	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C122	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C125	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C126	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C127	1-100-152-11	CERAMIC CHIP	100PF	5%	100V (AEP, UK)
C128	1-100-152-11	CERAMIC CHIP	100PF	5%	100V (AEP, UK)

Ref. No.	Part No.	Description			Remark
C129	1-100-152-11	CERAMIC CHIP	100PF	5%	100V (AEP, UK)
C130	1-100-152-11	CERAMIC CHIP	100PF	5%	100V (AEP, UK)
C131	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C132	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP, UK)
C133	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
C134	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
C135	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
C136	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
C181	1-124-252-00	ELECT	0.33uF	20%	50V
C182	1-124-252-00	ELECT	0.33uF	20%	50V
C201	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C202	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C203	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C204	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C205	1-162-974-11	CERAMIC CHIP	0.01uF		50V (AEP, UK)
C206	1-162-974-11	CERAMIC CHIP	0.01uF		50V (AEP, UK)
C207	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP, UK)
C208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (AEP, UK)
C209	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
C210	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
C230	1-128-582-11	ELECT	10uF	20%	100V (EXCEPT AEP, UK)
C231	1-128-582-11	ELECT	10uF	20%	100V (EXCEPT AEP, UK)
C232	1-164-156-11	CERAMIC CHIP	0.1uF		25V (EXCEPT AEP, UK)
C241	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C281	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C282	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C301	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C302	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C303	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C304	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C305	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C306	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C311	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C312	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C313	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C314	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C315	1-130-487-00	MYLAR	0.022uF	5%	50V
C316	1-130-485-00	MYLAR	0.015uF	5%	50V
C317	1-130-485-00	MYLAR	0.015uF	5%	50V
C318	1-130-479-00	MYLAR	0.0047uF	5%	50V
C319	1-126-964-11	ELECT	10uF	20%	50V
C320	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C321	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C322	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C601	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C602	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C603	1-104-658-11	ELECT	100uF	20%	10V
C604	1-104-658-11	ELECT	100uF	20%	10V

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Ref. No.	Part No.	Description			Remark
C605	1-130-481-00	MYLAR	0.0068uF	5%	50V
C606	1-130-481-00	MYLAR	0.0068uF	5%	50V
C607	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C608	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C609	1-126-960-11	ELECT	1uF	20%	50V
C610	1-126-960-11	ELECT	1uF	20%	50V
C611	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C612	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C613	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C614	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C621	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C622	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C623	1-164-479-11	CERAMIC CHIP	0.0056uF	10%	50V
C624	1-164-479-11	CERAMIC CHIP	0.0056uF	10%	50V
C625	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V
C626	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V
C641	1-126-957-11	ELECT	0.22uF	20%	50V
C642	1-126-957-11	ELECT	0.22uF	20%	50V
C643	1-126-957-11	ELECT	0.22uF	20%	50V
C644	1-126-957-11	ELECT	0.22uF	20%	50V
C651	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C652	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C653	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C654	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C655	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C661	1-126-923-11	ELECT	220uF	20%	10V
C662	1-126-947-11	ELECT	47uF	20%	35V
C663	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C664	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C684	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C685	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK)
C686	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK)
C687	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C693	1-126-960-11	ELECT	1uF	20%	50V
C694	1-126-960-11	ELECT	1uF	20%	50V
C695	1-126-925-11	ELECT	470uF	20%	10V
C698	1-162-974-11	CERAMIC CHIP	0.01uF		50V (AEP, UK)
C699	1-162-974-11	CERAMIC CHIP	0.01uF		50V (AEP, UK)
C730	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C731	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C732	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C733	1-164-156-11	CERAMIC CHIP	0.1uF		25V (AEP, UK)
C734	1-164-156-11	CERAMIC CHIP	0.1uF		25V (AEP, UK)
C801	1-126-964-11	ELECT	10uF	20%	50V (AEP, UK)
C802	1-164-156-11	CERAMIC CHIP	0.1uF		25V (AEP, UK)
C910	1-162-974-11	CERAMIC CHIP	0.01uF		50V (AEP, UK)
		< CONNECTOR >			
* CN301	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
* CN302	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P			

Ref. No.	Part No.	Description		Remark
CN601	1-793-766-11	CONNECTOR, BOARD TO BOARD 30P		
CN691	1-784-780-11	CONNECTOR, FFC 19P		
CN694	1-568-830-11	CONNECTOR, FFC 11P		
CN801	1-568-830-11	CONNECTOR, FFC 11P (EXCEPT AEP, UK)		
CN802	1-784-776-11	CONNECTOR, FFC 15P (AEP, UK)		
		< DIODE/SHORT >		
D009	8-719-072-05	DIODE	RBV-602LF-A (EXCEPT AEP, UK)	
D015	6-500-802-01	DIODE	1N5402-E7	
D016	6-500-802-01	DIODE	1N5402-E7	
D017	6-500-802-01	DIODE	1N5402-E7	
D018	6-500-802-01	DIODE	1N5402-E7	
D019	8-719-048-61	DIODE	EGP20DL-6349	
D020	8-719-048-61	DIODE	EGP20DL-6349	
D021	8-719-048-61	DIODE	EGP20DL-6349 (EXCEPT AEP, UK)	
D022	8-719-048-61	DIODE	EGP20DL-6349 (EXCEPT AEP, UK)	
D023	8-719-085-36	DIODE	11EQS04-TB5	
D031	8-719-988-61	DIODE	1SS355TE-17	
D032	8-719-988-61	DIODE	1SS355TE-17	
D033	8-719-988-61	DIODE	1SS355TE-17	
D041	6-500-522-21	DIODE	10EDB40-TB3	
D042	6-500-522-21	DIODE	10EDB40-TB3	
D043	6-500-522-21	DIODE	10EDB40-TB3	
D044	6-500-522-21	DIODE	10EDB40-TB3	
D045	8-719-083-70	DIODE	UDZSTE-1727B	
D063	6-500-334-01	DIODE	MC2836 (EXCEPT AEP, UK)	
D064	6-500-335-01	DIODE	MC2838 (EXCEPT AEP, UK)	
D065	8-719-988-61	DIODE	1SS355TE-17 (EXCEPT AEP, UK)	
D066	8-719-988-61	DIODE	1SS355TE-17 (EXCEPT AEP, UK)	
D067	6-500-335-01	DIODE	MC2838 (EXCEPT AEP, UK)	
D068	6-500-334-01	DIODE	MC2836 (EXCEPT AEP, UK)	
D069	8-719-988-61	DIODE	1SS355TE-17	
D101	6-500-334-01	DIODE	MC2836	
D103	8-719-988-61	DIODE	1SS355TE-17	
D104	8-719-988-61	DIODE	1SS355TE-17	
D105	6-500-334-01	DIODE	MC2836	
D106	6-500-334-01	DIODE	MC2836	
D107	6-500-335-01	DIODE	MC2838	
D108	6-500-335-01	DIODE	MC2838	
D109	8-719-046-74	DIODE	AU-01Z-V1	
D110	8-719-046-74	DIODE	AU-01Z-V1	
D111	6-500-335-01	DIODE	MC2838 (EXCEPT AEP, UK)	
D231	8-719-988-61	DIODE	1SS355TE-17 (EXCEPT AEP, UK)	
D232	8-719-977-28	DIODE	DTZ10B (EXCEPT AEP, UK)	
D235	8-719-059-21	DIODE	RK46LF-T2 (EXCEPT AEP, UK)	
D236	8-719-059-21	DIODE	RK46LF-T2 (EXCEPT AEP, UK)	
D239	8-719-069-55	DIODE	UDZSTE-175.6B (EXCEPT AEP, UK)	
D240	8-719-069-55	DIODE	UDZSTE-175.6B (EXCEPT AEP, UK)	
D241	8-719-988-61	DIODE	1SS355TE-17 (EXCEPT AEP, UK)	
D242	1-216-295-00	SHORT CHIP	0 (EXCEPT AEP, UK)	
D243	6-500-335-01	DIODE	MC2838 (EXCEPT AEP, UK)	
D244	6-500-334-01	DIODE	MC2836 (EXCEPT AEP, UK)	
D281	6-500-335-01	DIODE	MC2838	
D291	6-500-334-01	DIODE	MC2836	
D292	6-500-335-01	DIODE	MC2838	
D301	6-500-334-01	DIODE	MC2836	
D661	8-719-083-60	DIODE	UDZSTE-174.7B	

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	Ref. No.	Part No.	Description	Remark
	D662	8-719-083-60	DIODE UDZSTE-174.7B	
	D663	8-719-988-61	DIODE 1SS355TE-17	
	D671	8-719-988-61	DIODE 1SS355TE-17	
	D691	6-500-522-21	DIODE 10EDB40-TB3	
	D692	6-500-522-21	DIODE 10EDB40-TB3	
	D693	6-500-522-21	DIODE 10EDB40-TB3	
	D694	6-500-522-21	DIODE 10EDB40-TB3	
	D695	8-719-988-61	DIODE 1SS355TE-17	
	D697	6-500-522-21	DIODE 10EDB40-TB3	
	D801	8-719-069-54	DIODE UDZSTE-175.1B (AEP, UK)	
			< EARTH TERMINAL >	
*	EP001	1-537-738-21	TERMINAL, EARTH	
*	EP099	1-537-738-21	TERMINAL, EARTH	
			< SHORT/FERRITE BEAD >	
	FB601	1-216-295-00	SHORT CHIP 0	
	FB602	1-216-295-00	SHORT CHIP 0	
	FB693	1-410-396-71	FERRITE BEAD 0.45uH	
			< IC >	
	IC001	8-759-701-59	IC NJM78M09FA	
	IC002	8-759-701-59	IC NJM78M09FA	
	IC003	6-703-546-01	IC TA7804LS	
	IC601	6-702-895-01	IC BD3881FV	
	IC672	8-759-396-78	IC BU2092F-E2	
			< TERMINAL/JACK >	
	J203	1-694-635-12	TERMINAL BOARD (4P) (SPEAKER)	
	J602	1-793-987-11	JACK, PIN 2P (VIDEO/AUX)	
			< RESISTOR >	
	JR001	1-216-864-11	SHORT CHIP 0	
	JR002	1-216-296-11	SHORT CHIP 0	
	JR104	1-216-864-11	SHORT CHIP 0	
	JR201	1-216-864-11	SHORT CHIP 0	
	JR202	1-216-864-11	SHORT CHIP 0	
	JR203	1-216-864-11	SHORT CHIP 0	
	JR204	1-216-864-11	SHORT CHIP 0	
	JR601	1-216-864-11	SHORT CHIP 0 (AEP, UK)	
	JR602	1-216-864-11	SHORT CHIP 0	
	JR603	1-216-864-11	SHORT CHIP 0	
	JR604	1-216-864-11	SHORT CHIP 0	
	JR605	1-216-864-11	SHORT CHIP 0	
	JR606	1-216-864-11	SHORT CHIP 0	
	JR607	1-216-864-11	SHORT CHIP 0	
	JR608	1-216-864-11	SHORT CHIP 0	
	JR609	1-216-821-11	METAL CHIP 1K 5%	1/10W
	JR610	1-216-821-11	METAL CHIP 1K 5%	1/10W
	JR611	1-216-296-11	SHORT CHIP 0 (AEP, UK)	
	JR612	1-216-864-11	SHORT CHIP 0	
	JR615	1-216-864-11	SHORT CHIP 0	
	JR616	1-216-864-11	SHORT CHIP 0	
	JR619	1-216-864-11	SHORT CHIP 0	
	JR620	1-216-864-11	SHORT CHIP 0	
	JR622	1-216-864-11	SHORT CHIP 0	
	JR623	1-216-864-11	SHORT CHIP 0	
	JR625	1-216-296-11	SHORT CHIP 0	

Ref. No.	Part No.	Description	Remark
JR651	1-216-296-11	SHORT CHIP 0	
JR701	1-216-864-11	SHORT CHIP 0	
JR801	1-216-864-11	SHORT CHIP 0 (EXCEPT AEP, UK)	
		< DIODE >	
JW690	6-500-522-21	DIODE 10EDB40-TB3	
		< COIL >	
L201	1-422-009-13	COIL, AIR-CORE (AEP, UK)	
L201	1-456-107-11	COIL, AIR-CORE (EXCEPT AEP, UK)	
L202	1-422-009-13	COIL, AIR-CORE (AEP, UK)	
L202	1-456-107-11	COIL, AIR-CORE (EXCEPT AEP, UK)	
L311	1-424-849-11	COIL, OSCILLATION (BIAS)	
		< TRANSISTOR >	
Q022	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q023	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q024	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q041	8-729-201-53	TRANSISTOR 2SA1015-GR (EXCEPT AEP, UK)	
Q043	8-729-201-53	TRANSISTOR 2SA1015-GR	
Q045	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q046	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q047	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q063	8-729-600-22	TRANSISTOR 2SA1235-F	
Q064	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q101	8-729-600-22	TRANSISTOR 2SA1235-F	
Q102	8-729-600-22	TRANSISTOR 2SA1235-F	
Q103	8-729-600-22	TRANSISTOR 2SA1235-F	
Q104	8-729-600-22	TRANSISTOR 2SA1235-F	
Q105	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q106	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q107	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q108	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q109	6-550-317-01	TRANSISTOR 2SD0814A0LS0 (EXCEPT AEP, UK)	
Q110	6-550-317-01	TRANSISTOR 2SD0814A0LS0 (EXCEPT AEP, UK)	
Q111	8-729-823-99	TRANSISTOR 2SC2909-AA	
Q112	8-729-823-99	TRANSISTOR 2SC2909-AA	
Q117	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q118	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q119	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q120	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q121	6-550-294-01	TRANSISTOR 2SB1342 (AEP, UK)	
Q121	6-550-331-01	TRANSISTOR 2SB1677 (EXCEPT AEP, UK)	
Q122	6-550-294-01	TRANSISTOR 2SB1342 (AEP, UK)	
Q122	6-550-331-01	TRANSISTOR 2SB1677 (EXCEPT AEP, UK)	
Q123	6-550-295-01	TRANSISTOR 2SD1933 (AEP, UK)	
Q123	6-550-332-01	TRANSISTOR 2SD2619 (EXCEPT AEP, UK)	
Q124	6-550-295-01	TRANSISTOR 2SD1933 (AEP, UK)	
Q124	6-550-332-01	TRANSISTOR 2SD2619 (EXCEPT AEP, UK)	
Q129	6-550-316-01	TRANSISTOR 2SB0792A0LS0 (EXCEPT AEP, UK)	
Q129	8-729-600-22	TRANSISTOR 2SA1235-F (AEP, UK)	
Q130	6-550-316-01	TRANSISTOR 2SB0792A0LS0 (EXCEPT AEP, UK)	
Q130	8-729-600-22	TRANSISTOR 2SA1235-F (AEP, UK)	
Q181	8-729-052-79	TRANSISTOR 2SD1306NETL	

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Ref. No.	Part No.	Description		Remark
Q182	8-729-052-79	TRANSISTOR	2SD1306NETL	
Q183	8-729-600-22	TRANSISTOR	2SA1235-F	
Q231	6-550-293-01	FET	2SK2937 (EXCEPT AEP, UK)	
Q232	6-550-293-01	FET	2SK2937 (EXCEPT AEP, UK)	
Q233	8-729-600-22	TRANSISTOR	2SA1235-F	(EXCEPT AEP, UK)
Q234	8-729-120-28	TRANSISTOR	2SC1623-L5L6	(EXCEPT AEP, UK)
Q235	8-729-600-22	TRANSISTOR	2SA1235-F	(EXCEPT AEP, UK)
Q281	6-550-316-01	TRANSISTOR	2SB0792A0LS0	(EXCEPT AEP, UK)
Q281	8-729-600-22	TRANSISTOR	2SA1235-F (AEP, UK)	
Q282	6-550-317-01	TRANSISTOR	2SD0814A0LS0	(EXCEPT AEP, UK)
Q282	8-729-120-28	TRANSISTOR	2SC1623-L5L6 (AEP, UK)	
Q291	8-729-027-23	TRANSISTOR	DTA114EKA-T146	
Q292	6-550-316-01	TRANSISTOR	2SB0792A0LS0	(EXCEPT AEP, UK)
Q292	8-729-600-22	TRANSISTOR	2SA1235-F (AEP, UK)	
Q301	6-550-290-01	FET	2SJ460	
Q302	6-550-290-01	FET	2SJ460	
Q303	8-729-048-99	FET	2SK2541-T	
Q304	8-729-048-99	FET	2SK2541-T	
Q305	6-550-290-01	FET	2SJ460	
Q306	6-550-290-01	FET	2SJ460	
Q307	8-729-048-99	FET	2SK2541-T	
Q308	8-729-048-99	FET	2SK2541-T	
Q309	8-729-048-99	FET	2SK2541-T	
Q310	8-729-011-92	TRANSISTOR	2SC2001TP-K1K2	
Q311	8-729-201-53	TRANSISTOR	2SA1015-GR	
Q312	8-729-120-28	TRANSISTOR	2SC1623-L5L6	
Q601	8-729-027-23	TRANSISTOR	DTA114EKA-T146	

< RESISTOR >

Ref. No.	Part No.	Description				Remark
R001	1-216-138-00	RES-CHIP	3.3	5%	1/8W	(E, EA, E51, SP, TW)
R001	1-219-397-11	RES-CHIP	1.8	5%	1/8W	(AEP, UK, AUS)
R002	1-219-397-11	RES-CHIP	1.8	5%	1/8W	(AEP, UK)
R004	1-216-138-00	RES-CHIP	3.3	5%	1/8W	(E, EA, E51, SP, TW)
R004	1-219-397-11	RES-CHIP	1.8	5%	1/8W	(AEP, UK, AUS)
R005	1-216-138-00	RES-CHIP	3.3	5%	1/8W	(E, EA, E51, SP, TW)
R005	1-219-397-11	RES-CHIP	1.8	5%	1/8W	(AEP, UK, AUS)
R007	1-219-397-11	RES-CHIP	1.8	5%	1/8W	(AEP, UK)
R008	1-216-138-00	RES-CHIP	3.3	5%	1/8W	(E, EA, E51, SP, TW)
R008	1-219-397-11	RES-CHIP	1.8	5%	1/8W	(AEP, UK, AUS)
R009	1-216-228-00	RES-CHIP	18K	5%	1/8W	(EXCEPT AEP, UK)
R010	1-216-228-00	RES-CHIP	18K	5%	1/8W	(EXCEPT AEP, UK)
R011	1-216-228-00	RES-CHIP	18K	5%	1/8W	(EXCEPT AEP, UK)
R012	1-216-228-00	RES-CHIP	18K	5%	1/8W	(EXCEPT AEP, UK)
R013	1-216-228-00	RES-CHIP	18K	5%	1/8W	(EXCEPT AEP, UK)
R014	1-216-228-00	RES-CHIP	18K	5%	1/8W	(EXCEPT AEP, UK)
R015	1-216-228-00	RES-CHIP	18K	5%	1/8W	(EXCEPT AEP, UK)
R016	1-216-228-00	RES-CHIP	18K	5%	1/8W	(EXCEPT AEP, UK)
⚠R017	1-219-121-11	FUSIBLE	0.22	5%	1/4W F	(AEP, UK)
⚠R017	1-219-122-11	FUSIBLE	0.33	5%	1/4W F	(EXCEPT AEP, UK)
R024	1-216-184-00	RES-CHIP	270	5%	1/8W	
R025	1-216-184-00	RES-CHIP	270	5%	1/8W	
R026	1-216-188-00	RES-CHIP	390	5%	1/8W	
R027	1-216-188-00	RES-CHIP	390	5%	1/8W	
R028	1-216-186-00	RES-CHIP	330	5%	1/8W	(EXCEPT AEP, UK)
R028	1-216-188-00	RES-CHIP	390	5%	1/8W	(AEP, UK)
R029	1-216-188-00	RES-CHIP	390	5%	1/8W	
R030	1-216-188-00	RES-CHIP	390	5%	1/8W	
R031	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R032	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R033	1-216-843-11	METAL CHIP	68K	5%	1/10W	
R035	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	
R036	1-216-836-11	METAL CHIP	18K	5%	1/10W	
R037	1-216-296-11	SHORT CHIP	0 (AEP, UK)			
R038	1-216-296-11	SHORT CHIP	0			
R041	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R042	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R043	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R044	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R045	1-216-178-00	RES-CHIP	150	5%	1/8W	(EXCEPT AEP, UK)
R045	1-216-296-11	SHORT CHIP	0 (AEP, UK)			
R046	1-216-065-00	RES-CHIP	4.7K	5%	1/10W	
R047	1-216-065-00	RES-CHIP	4.7K	5%	1/10W	(EXCEPT AEP, UK)
R047	1-216-295-00	SHORT CHIP	0 (AEP, UK)			
R048	1-216-295-00	SHORT CHIP	0			
R049	1-216-065-00	RES-CHIP	4.7K	5%	1/10W	
R050	1-216-001-00	RES-CHIP	10	5%	1/10W	
R051	1-216-097-11	RES-CHIP	100K	5%	1/10W	
R067	1-216-843-11	METAL CHIP	68K	5%	1/10W	(EXCEPT AEP, UK)
R068	1-216-843-11	METAL CHIP	68K	5%	1/10W	(EXCEPT AEP, UK)
R069	1-216-833-11	METAL CHIP	10K	5%	1/10W	(EXCEPT AEP, UK)
R070	1-216-838-11	METAL CHIP	27K	5%	1/10W	(EXCEPT AEP, UK)
R071	1-216-838-11	METAL CHIP	27K	5%	1/10W	(EXCEPT AEP, UK)
R072	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	(EXCEPT AEP, UK)
R073	1-216-838-11	METAL CHIP	27K	5%	1/10W	(EXCEPT AEP, UK)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

MAIN

Ref. No.	Part No.	Description				Remark
R074	1-216-838-11	METAL CHIP	27K	5%	1/10W	(EXCEPT AEP, UK)
R075	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	(EXCEPT AEP, UK)
R076	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R077	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R078	1-216-834-11	METAL CHIP	12K	5%	1/10W	(EXCEPT AEP, UK)
R078	1-216-864-11	SHORT CHIP	0 (AEP, UK)			
R079	1-216-834-11	METAL CHIP	12K	5%	1/10W	(EXCEPT AEP, UK)
R079	1-216-864-11	SHORT CHIP	0 (AEP, UK)			
R080	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R082	1-216-839-11	METAL CHIP	33K	5%	1/10W	(EXCEPT AEP, UK)
R083	1-216-839-11	METAL CHIP	33K	5%	1/10W	(EXCEPT AEP, UK)
R084	1-216-842-11	METAL CHIP	56K	5%	1/10W	(EXCEPT AEP, UK)
R085	1-216-842-11	METAL CHIP	56K	5%	1/10W	(EXCEPT AEP, UK)
R086	1-216-833-11	METAL CHIP	10K	5%	1/10W	(EXCEPT AEP, UK)
R087	1-216-833-11	METAL CHIP	10K	5%	1/10W	(EXCEPT AEP, UK)
R092	1-216-809-11	METAL CHIP	100	5%	1/10W	
R093	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R094	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R095	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R096	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R097	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R105	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R106	1-216-835-11	METAL CHIP	15K	5%	1/10W	
R107	1-216-837-11	METAL CHIP	22K	5%	1/10W	(AEP, UK)
R107	1-216-838-11	METAL CHIP	27K	5%	1/10W	(EXCEPT AEP, UK)
R108	1-216-837-11	METAL CHIP	22K	5%	1/10W	(AEP, UK)
R108	1-216-838-11	METAL CHIP	27K	5%	1/10W	(EXCEPT AEP, UK)
R109	1-216-809-11	METAL CHIP	100	5%	1/10W	
R110	1-216-809-11	METAL CHIP	100	5%	1/10W	
R113	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	
R114	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	
R115	1-216-081-00	RES-CHIP	22K	5%	1/10W	(AEP, UK)
R115	1-216-083-00	RES-CHIP	27K	5%	1/10W	(EXCEPT AEP, UK)
R116	1-216-081-00	RES-CHIP	22K	5%	1/10W	(AEP, UK)
R116	1-216-083-00	RES-CHIP	27K	5%	1/10W	(EXCEPT AEP, UK)
R117	1-216-206-00	RES-CHIP	2.2K	5%	1/8W	
R118	1-216-206-00	RES-CHIP	2.2K	5%	1/8W	
R119	1-216-206-00	RES-CHIP	2.2K	5%	1/8W	
R120	1-216-206-00	RES-CHIP	2.2K	5%	1/8W	
R121	1-216-198-00	RES-CHIP	1K	5%	1/8W	
R122	1-216-198-00	RES-CHIP	1K	5%	1/8W	
R123	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	
R124	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	
R125	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R126	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R127	1-216-809-11	METAL CHIP	100	5%	1/10W	
R128	1-216-809-11	METAL CHIP	100	5%	1/10W	
R129	1-216-809-11	METAL CHIP	100	5%	1/10W	
R130	1-216-809-11	METAL CHIP	100	5%	1/10W	
R131	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R132	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R133	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	(EXCEPT AEP, UK)
R133	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	(AEP, UK)
R134	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	(EXCEPT AEP, UK)
R134	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	(AEP, UK)
R137	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R138	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R139	1-216-841-11	METAL CHIP	47K	5%	1/10W	(EXCEPT AEP, UK)
R139	1-216-864-11	SHORT CHIP	0 (AEP, UK)			
R140	1-216-841-11	METAL CHIP	47K	5%	1/10W	(EXCEPT AEP, UK)
R140	1-216-864-11	SHORT CHIP	0 (AEP, UK)			
R141	1-216-821-11	METAL CHIP	1K	5%	1/10W	(EXCEPT AEP, UK)
R141	1-216-841-11	METAL CHIP	47K	5%	1/10W	(AEP, UK)
R142	1-216-821-11	METAL CHIP	1K	5%	1/10W	(EXCEPT AEP, UK)
R142	1-216-841-11	METAL CHIP	47K	5%	1/10W	(AEP, UK)
R143	1-216-802-11	METAL CHIP	27	5%	1/10W	(AEP, UK)
R143	1-216-804-11	METAL CHIP	39	5%	1/10W	(EXCEPT AEP, UK)
R144	1-216-802-11	METAL CHIP	27	5%	1/10W	(AEP, UK)
R144	1-216-804-11	METAL CHIP	39	5%	1/10W	(EXCEPT AEP, UK)
R147	1-216-864-11	SHORT CHIP	0			
R148	1-216-864-11	SHORT CHIP	0			
⚠R149	1-245-545-11	METAL OXIDE	0.22	5%	3W	F
⚠R150	1-245-545-11	METAL OXIDE	0.22	5%	3W	F
⚠R151	1-245-545-11	METAL OXIDE	0.22	5%	3W	F
⚠R152	1-245-545-11	METAL OXIDE	0.22	5%	3W	F
R153	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	(EXCEPT AEP, UK)
R153	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	(AEP, UK)
R154	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	(EXCEPT AEP, UK)
R154	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	(AEP, UK)
R155	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	(AEP, UK)
R155	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	(EXCEPT AEP, UK)
R156	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	(AEP, UK)

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Replace only with part number specified.

MAIN

Ref. No.	Part No.	Description			Remark
R156	1-216-823-11	METAL CHIP	1.5K	5%	1/10W (EXCEPT AEP, UK)
R157	1-216-809-11	METAL CHIP	100	5%	1/10W
R158	1-216-809-11	METAL CHIP	100	5%	1/10W
R159	1-216-049-11	RES-CHIP	1K	5%	1/10W
R160	1-216-049-11	RES-CHIP	1K	5%	1/10W
R161	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W (EXCEPT AEP, UK)
R162	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W (EXCEPT AEP, UK)
R163	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (AEP, UK)
R164	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (AEP, UK)
R181	1-216-834-11	METAL CHIP	12K	5%	1/10W
R182	1-216-834-11	METAL CHIP	12K	5%	1/10W
R183	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (EXCEPT AEP, UK)
R183	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W (AEP, UK)
R184	1-216-830-11	METAL CHIP	5.6K	5%	1/10W (EXCEPT AEP, UK)
R184	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W (AEP, UK)
R185	1-216-843-11	METAL CHIP	68K	5%	1/10W
R186	1-216-841-11	METAL CHIP	47K	5%	1/10W
R188	1-216-226-00	RES-CHIP	15K	5%	1/8W (AEP, UK)
R188	1-216-230-00	RES-CHIP	22K	5%	1/8W (EXCEPT AEP, UK)
R189	1-216-864-11	SHORT CHIP	0		
R201	1-249-393-11	CARBON	10	5%	1/4W
R202	1-249-393-11	CARBON	10	5%	1/4W
R203	1-216-150-11	RES-CHIP	10	5%	1/8W
R204	1-216-150-11	RES-CHIP	10	5%	1/8W
R236	1-216-861-11	METAL CHIP	2.2M	5%	1/10W (EXCEPT AEP, UK)
R237	1-216-049-11	RES-CHIP	1K	5%	1/10W (EXCEPT AEP, UK)
R238	1-216-206-00	RES-CHIP	2.2K	5%	1/8W (EXCEPT AEP, UK)
R239	1-216-206-00	RES-CHIP	2.2K	5%	1/8W (EXCEPT AEP, UK)
R241	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (EXCEPT AEP, UK)
R242	1-216-073-91	RES-CHIP	10K	5%	1/10W (EXCEPT AEP, UK)
R243	1-216-049-11	RES-CHIP	1K	5%	1/10W (EXCEPT AEP, UK)
R244	1-216-057-00	RES-CHIP	2.2K	5%	1/10W (EXCEPT AEP, UK)
R246	1-216-214-00	RES-CHIP	4.7K	5%	1/8W (EXCEPT AEP, UK)
R248	1-216-214-00	RES-CHIP	4.7K	5%	1/8W (EXCEPT AEP, UK)
R249	1-216-214-00	RES-CHIP	4.7K	5%	1/8W (EXCEPT AEP, UK)
R250	1-216-214-00	RES-CHIP	4.7K	5%	1/8W (EXCEPT AEP, UK)
R252	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP, UK)
R253	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP, UK)
R257	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK)
R258	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK)
R259	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK)
R260	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AEP, UK)
R261	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (EXCEPT AEP, UK)
R262	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (EXCEPT AEP, UK)
R263	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (EXCEPT AEP, UK)
R264	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (EXCEPT AEP, UK)
R280	1-216-073-00	RES-CHIP	10K	5%	1/10W
R281	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R282	1-216-834-11	METAL CHIP	12K	5%	1/10W
R283	1-216-833-11	METAL CHIP	10K	5%	1/10W
R284	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R290	1-216-841-11	METAL CHIP	47K	5%	1/10W
R291	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R293	1-216-843-11	METAL CHIP	68K	5%	1/10W (EXCEPT AEP, UK)
R293	1-216-849-11	METAL CHIP	220K	5%	1/10W (AEP, UK)
R294	1-216-843-11	METAL CHIP	68K	5%	1/10W (EXCEPT AEP, UK)
R294	1-216-849-11	METAL CHIP	220K	5%	1/10W (AEP, UK)
R295	1-216-837-11	METAL CHIP	22K	5%	1/10W (AEP, UK)
R296	1-216-841-11	METAL CHIP	47K	5%	1/10W
R297	1-216-841-11	METAL CHIP	47K	5%	1/10W
R301	1-216-840-11	METAL CHIP	39K	5%	1/10W
R302	1-216-840-11	METAL CHIP	39K	5%	1/10W
R303	1-216-844-11	METAL CHIP	82K	5%	1/10W
R304	1-216-844-11	METAL CHIP	82K	5%	1/10W
R305	1-216-849-11	METAL CHIP	220K	5%	1/10W
R311	1-216-833-11	METAL CHIP	10K	5%	1/10W
R312	1-216-833-11	METAL CHIP	10K	5%	1/10W
R313	1-216-838-11	METAL CHIP	27K	5%	1/10W
R314	1-216-797-11	METAL CHIP	10	5%	1/10W
R315	1-216-015-00	RES-CHIP	39	5%	1/10W
R316	1-216-833-11	METAL CHIP	10K	5%	1/10W
R317	1-216-821-11	METAL CHIP	1K	5%	1/10W
R318	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R601	1-216-809-11	METAL CHIP	100	5%	1/10W
R602	1-216-809-11	METAL CHIP	100	5%	1/10W
R603	1-216-852-11	METAL CHIP	390K	5%	1/10W
R604	1-216-852-11	METAL CHIP	390K	5%	1/10W
R605	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R606	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R607	1-216-845-11	METAL CHIP	100K	5%	1/10W
R608	1-216-845-11	METAL CHIP	100K	5%	1/10W
R609	1-216-836-11	METAL CHIP	18K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R610	1-216-836-11	METAL CHIP	18K	5%	1/10W
R612	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R615	1-216-835-11	METAL CHIP	15K	5%	1/10W
R616	1-216-835-11	METAL CHIP	15K	5%	1/10W
R617	1-216-835-11	METAL CHIP	15K	5%	1/10W
R618	1-216-835-11	METAL CHIP	15K	5%	1/10W
R619	1-216-838-11	METAL CHIP	27K	5%	1/10W
R620	1-216-838-11	METAL CHIP	27K	5%	1/10W
R621	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R622	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R623	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R624	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R625	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (EXCEPT AEP, UK)
R625	1-216-828-11	METAL CHIP	3.9K	5%	1/10W (AEP, UK)
R626	1-216-827-11	METAL CHIP	3.3K	5%	1/10W (EXCEPT AEP, UK)
R626	1-216-828-11	METAL CHIP	3.9K	5%	1/10W (AEP, UK)
R627	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R628	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R629	1-216-833-11	METAL CHIP	10K	5%	1/10W
R630	1-216-833-11	METAL CHIP	10K	5%	1/10W
R631	1-216-817-11	METAL CHIP	470	5%	1/10W
R632	1-216-817-11	METAL CHIP	470	5%	1/10W
R633	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R634	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R635	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R636	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R637	1-216-815-11	METAL CHIP	330	5%	1/10W
R638	1-216-815-11	METAL CHIP	330	5%	1/10W
R643	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R644	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R645	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R651	1-216-809-11	METAL CHIP	100	5%	1/10W
R652	1-216-809-11	METAL CHIP	100	5%	1/10W
R653	1-216-837-11	METAL CHIP	22K	5%	1/10W
R654	1-216-837-11	METAL CHIP	22K	5%	1/10W
R655	1-216-837-11	METAL CHIP	22K	5%	1/10W
R656	1-216-837-11	METAL CHIP	22K	5%	1/10W
R657	1-216-842-11	METAL CHIP	56K	5%	1/10W (EXCEPT AEP, UK)
R658	1-216-837-11	METAL CHIP	22K	5%	1/10W
R659	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R661	1-216-835-11	METAL CHIP	15K	5%	1/10W
R662	1-216-841-11	METAL CHIP	47K	5%	1/10W
R663	1-216-833-11	METAL CHIP	10K	5%	1/10W
R685	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R686	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R691	1-216-837-11	METAL CHIP	22K	5%	1/10W
R692	1-216-833-11	METAL CHIP	10K	5%	1/10W
R693	1-216-821-11	METAL CHIP	1K	5%	1/10W
R694	1-216-837-11	METAL CHIP	22K	5%	1/10W
R695	1-216-833-11	METAL CHIP	10K	5%	1/10W
R696	1-216-821-11	METAL CHIP	1K	5%	1/10W
R697	1-216-837-11	METAL CHIP	22K	5%	1/10W
R698	1-216-833-11	METAL CHIP	10K	5%	1/10W
R699	1-216-821-11	METAL CHIP	1K	5%	1/10W
R700	1-216-837-11	METAL CHIP	22K	5%	1/10W
R701	1-216-837-11	METAL CHIP	22K	5%	1/10W
R702	1-216-833-11	METAL CHIP	10K	5%	1/10W
R703	1-216-833-11	METAL CHIP	10K	5%	1/10W
R704	1-216-833-11	METAL CHIP	10K	5%	1/10W
R705	1-216-833-11	METAL CHIP	10K	5%	1/10W
R730	1-216-833-11	METAL CHIP	10K	5%	1/10W
R731	1-216-833-11	METAL CHIP	10K	5%	1/10W
R732	1-216-833-11	METAL CHIP	10K	5%	1/10W
R733	1-216-841-11	METAL CHIP	47K	5%	1/10W
R734	1-216-841-11	METAL CHIP	47K	5%	1/10W
R735	1-216-841-11	METAL CHIP	47K	5%	1/10W
R736	1-216-841-11	METAL CHIP	47K	5%	1/10W
R737	1-216-841-11	METAL CHIP	47K	5%	1/10W
R738	1-216-841-11	METAL CHIP	47K	5%	1/10W
R739	1-216-841-11	METAL CHIP	47K	5%	1/10W
R801	1-216-813-11	METAL CHIP	220	5%	1/10W (AEP, UK)
R807	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK)
R809	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
R810	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK)
R812	1-216-864-11	SHORT CHIP	0 (AEP, UK)		
		< THERMISTOR >			
TH101	1-803-790-21	THERMISTOR (EXCEPT AEP, UK)			
TH101	1-804-908-11	C-THMS, 55001 (AEP, UK)			
TH102	1-803-790-21	THERMISTOR (EXCEPT AEP, UK)			
TH102	1-804-908-11	C-THMS, 55001 (AEP, UK)			
		< WIRE HOLDER >			
WH013	1-817-363-11	HOLDER, WIRE 11P (EXCEPT AEP, UK)			
WH201	1-816-818-11	HOLDER, WIRE 5P			

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Ref. No.	Part No.	Description			Remark
	1-687-133-12	MOTOR (LD) BOARD *****************			

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Ref. No.	Part No.	Description			Remark
	1-687-134-12	MOTOR (TB) BOARD *****************			
		< CONNECTOR >			
CN742	1-784-727-11	CONNECTOR, FFC 5P			

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Ref. No.	Part No.	Description			Remark
	A-1055-453-A	PANEL BOARD, COMPLETE (EA)			
	A-4752-866-A	PANEL BOARD, COMPLETE (AEP, UK)			
	A-4752-867-A	PANEL BOARD, COMPLETE (E, SP, TW, AUS)			
	A-4752-872-A	PANEL BOARD, COMPLETE (E51) **********************			
		< CAPACITOR >			
C213	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C214	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C215	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C216	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

PANEL

Ref. No.	Part No.	Description				Remark
C413	1-126-960-11	ELECT	1uF	20%	50V	(EXCEPT AEP, UK)
C414	1-164-156-11	CERAMIC CHIP	0.1uF		25V	(EXCEPT AEP, UK)
C415	1-164-156-11	CERAMIC CHIP	0.1uF		25V	(EXCEPT AEP, UK)
C501	1-126-960-11	ELECT	1uF	20%	50V	
C502	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C503	1-126-960-11	ELECT	1uF	20%	50V	
C504	1-126-916-11	ELECT	1000uF	20%	6.3V	
C507	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V	
C508	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C509	1-126-965-11	ELECT	22uF	20%	50V	
C510	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C601	1-126-947-11	ELECT	47uF	20%	35V	
C809	1-126-947-11	ELECT	47uF	20%	35V	
C902	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C903	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C904	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C905	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C906	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C907	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C908	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C909	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C910	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C911	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C912	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C914	1-126-947-11	ELECT	47uF	20%	35V	
C915	1-131-992-11	CERAMIC CHIP	100000PF		35V	
C916	1-126-963-11	ELECT	4.7uF	20%	50V	
C917	1-126-963-11	ELECT	4.7uF	20%	50V	
C918	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C919	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	
C920	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C921	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C922	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C923	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C924	1-216-864-11	SHORT CHIP	0			
C926	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C927	1-164-156-11	CERAMIC CHIP	0.1uF		25V	
C933	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V	
C935	1-128-057-11	ELECT	330uF	20%	6.3V	
		< CONNECTOR >				
CN101	1-793-767-11	CONNECTOR, BOARD TO BOARD 30P				
CN403	1-784-784-11	CONNECTOR, FFC 23P				
CN601	1-784-774-11	CONNECTOR, FFC 13P				
CN701	1-568-830-11	CONNECTOR, FFC 11P				
		< DIODE >				
D101	8-719-991-33	DIODE 1SS133T-77				
D402	8-719-991-33	DIODE 1SS133T-77 (EXCEPT AEP, UK)				
D501	8-719-991-33	DIODE 1SS133T-77				
D503	8-719-991-33	DIODE 1SS133T-77				
D504	8-719-991-33	DIODE 1SS133T-77				
D505	8-719-991-33	DIODE 1SS133T-77				
D506	8-719-991-33	DIODE 1SS133T-77				
D507	8-719-921-80	DIODE MTZJ-11B				

Ref. No.	Part No.	Description				Remark
D508	8-719-991-33	DIODE 1SS133T-77				
D509	8-719-991-33	DIODE 1SS133T-77				
D601	8-719-991-33	DIODE 1SS133T-77				
D602	8-719-991-33	DIODE 1SS133T-77				
D607	8-719-991-33	DIODE 1SS133T-77 (E51)				
D608	8-719-991-33	DIODE 1SS133T-77 (EXCEPT AEP, UK)				
D609	8-719-991-33	DIODE 1SS133T-77 (AEP, UK)				
D611	8-719-991-33	DIODE 1SS133T-77 (AEP, UK, EA)				
D612	8-719-991-33	DIODE 1SS133T-77 (E51)				
D614	8-719-991-33	DIODE 1SS133T-77 (AEP, UK)				
D620	6-500-334-01	DIODE MC2836				
D621	6-500-334-01	DIODE MC2836				
D622	6-500-334-01	DIODE MC2836				
D623	6-500-334-01	DIODE MC2836				
D624	6-500-334-01	DIODE MC2836				
D625	6-500-334-01	DIODE MC2836				
D626	6-500-334-01	DIODE MC2836				
D627	6-500-334-01	DIODE MC2836				
		< FLUORESCENT INDICATOR TUBE >				
FL902	1-518-895-11	INDICATOR TUBE, FLUORESCENT				
		< IC >				
IC201	6-704-046-01	IC BU2099FV				
IC501	6-704-135-01	IC MM1614A				
IC502	8-759-533-04	IC M62703ML-E1				
IC801	6-600-213-01	IC GP1UE271XK				
IC901	6-804-211-01	IC LC876772B-52N2-E (AEP, UK)				
IC901	6-804-212-01	IC LC876756C-52N7-E (EXCEPT AEP, UK)				
		< SHORT >				
JR101	1-216-296-11	SHORT CHIP	0 (AEP, UK)			
JR102	1-216-296-11	SHORT CHIP	0			
JR204	1-216-864-11	SHORT CHIP	0			
JR205	1-216-864-11	SHORT CHIP	0			
JR213	1-216-864-11	SHORT CHIP	0			
JR218	1-216-864-11	SHORT CHIP	0			
JR219	1-216-864-11	SHORT CHIP	0			
JR220	1-216-864-11	SHORT CHIP	0			
JR401	1-216-864-11	SHORT CHIP	0			
JR402	1-216-864-11	SHORT CHIP	0			
JR601	1-216-296-11	SHORT CHIP	0			
JR602	1-216-864-11	SHORT CHIP	0			
JR703	1-216-864-11	SHORT CHIP	0 (AEP, UK)			
JR903	1-216-864-11	SHORT CHIP	0			
JR905	1-216-864-11	SHORT CHIP	0			
JR909	1-216-296-11	SHORT CHIP	0			
JR910	1-216-864-11	SHORT CHIP	0			
JR911	1-216-864-11	SHORT CHIP	0			
JR912	1-216-864-11	SHORT CHIP	0			
JR913	1-216-864-11	SHORT CHIP	0			
JR914	1-216-296-11	SHORT CHIP	0			
		< RESISTOR >				
JW987	1-247-807-31	CARBON	100	5%	1/4W	
JW995	1-247-807-31	CARBON	100	5%	1/4W	

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q601	8-729-116-57	TRANSISTOR	2SB1068-K		
Q602	8-729-140-04	TRANSISTOR	2SB1116A-L		
Q603	8-729-140-04	TRANSISTOR	2SB1116A-L		
Q604	8-729-900-80	TRANSISTOR	DTC114ES		
Q605	8-729-900-80	TRANSISTOR	DTC114ES		
Q606	8-729-900-80	TRANSISTOR	DTC114ES		
Q607	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q901	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q902	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q903	8-729-027-59	TRANSISTOR	DTC144EKA-T146		
		< RESISTOR/FERRITE BEAD >			
R101	1-247-863-11	CARBON	22K	5%	1/4W
					(AEP, UK)
R102	1-249-436-11	CARBON	39K	5%	1/4W
					(AEP, UK)
R103	1-249-436-11	CARBON	39K	5%	1/4W
					(AEP, UK)
R104	1-247-831-11	CARBON	1K	5%	1/4W
R105	1-247-831-11	CARBON	1K	5%	1/4W
R106	1-247-831-11	CARBON	1K	5%	1/4W
R107	1-247-831-11	CARBON	1K	5%	1/4W
R108	1-247-831-11	CARBON	1K	5%	1/4W
R109	1-247-831-11	CARBON	1K	5%	1/4W
R110	1-247-831-11	CARBON	1K	5%	1/4W
R111	1-247-831-11	CARBON	1K	5%	1/4W
R112	1-247-831-11	CARBON	1K	5%	1/4W
R113	1-247-831-11	CARBON	1K	5%	1/4W
R114	1-247-831-11	CARBON	1K	5%	1/4W
R118	1-249-393-11	CARBON	10	5%	1/4W
R119	1-247-831-11	CARBON	1K	5%	1/4W
R121	1-247-831-11	CARBON	1K	5%	1/4W
R122	1-247-831-11	CARBON	1K	5%	1/4W
R225	1-247-807-31	CARBON	100	5%	1/4W
R226	1-249-429-11	CARBON	10K	5%	1/4W
R227	1-249-429-11	CARBON	10K	5%	1/4W
R228	1-249-429-11	CARBON	10K	5%	1/4W
R247	1-216-834-11	METAL CHIP	12K	5%	1/10W
R248	1-216-845-11	METAL CHIP	100K	5%	1/10W
R249	1-216-838-11	METAL CHIP	27K	5%	1/10W
R254	1-216-849-11	METAL CHIP	220K	5%	1/10W
R261	1-216-833-11	METAL CHIP	10K	5%	1/10W
R262	1-216-833-11	METAL CHIP	10K	5%	1/10W
R263	1-216-833-11	METAL CHIP	10K	5%	1/10W
R264	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R334	1-216-833-11	METAL CHIP	10K	5%	1/10W
R335	1-216-833-11	METAL CHIP	10K	5%	1/10W
R336	1-216-833-11	METAL CHIP	10K	5%	1/10W
R415	1-216-809-11	METAL CHIP	100	5%	1/10W
					(EXCEPT AEP, UK)
R416	1-216-850-11	METAL CHIP	270K	5%	1/10W
					(EXCEPT AEP, UK)
R417	1-216-835-11	METAL CHIP	15K	5%	1/10W
					(EXCEPT AEP, UK)
R418	1-216-853-11	METAL CHIP	470K	5%	1/10W
					(EXCEPT AEP, UK)
R419	1-216-821-11	METAL CHIP	1K	5%	1/10W
					(EXCEPT AEP, UK)
R501	1-249-408-11	CARBON	180	5%	1/4W
R502	1-216-841-11	METAL CHIP	47K	5%	1/10W
R503	1-216-841-11	METAL CHIP	47K	5%	1/10W
R504	1-249-429-11	CARBON	10K	5%	1/4W
R505	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R506	1-216-815-11	METAL CHIP	330	5%	1/10W
R507	1-216-833-11	METAL CHIP	10K	5%	1/10W
R601	1-216-809-11	METAL CHIP	100	5%	1/10W
R607	1-216-821-11	METAL CHIP	1K	5%	1/10W
R608	1-216-821-11	METAL CHIP	1K	5%	1/10W
R609	1-216-821-11	METAL CHIP	1K	5%	1/10W
R610	1-216-821-11	METAL CHIP	1K	5%	1/10W
R611	1-216-821-11	METAL CHIP	1K	5%	1/10W
R612	1-216-821-11	METAL CHIP	1K	5%	1/10W
R625	1-216-841-11	METAL CHIP	47K	5%	1/10W
R626	1-216-841-11	METAL CHIP	47K	5%	1/10W
R627	1-216-841-11	METAL CHIP	47K	5%	1/10W
R628	1-216-841-11	METAL CHIP	47K	5%	1/10W
R629	1-216-841-11	METAL CHIP	47K	5%	1/10W
R630	1-216-841-11	METAL CHIP	47K	5%	1/10W
R631	1-216-841-11	METAL CHIP	47K	5%	1/10W
R637	1-216-841-11	METAL CHIP	47K	5%	1/10W
R638	1-247-831-11	CARBON	1K	5%	1/4W
R639	1-247-831-11	CARBON	1K	5%	1/4W
R640	1-247-831-11	CARBON	1K	5%	1/4W
R641	1-247-831-11	CARBON	1K	5%	1/4W
R642	1-247-831-11	CARBON	1K	5%	1/4W
R643	1-247-831-11	CARBON	1K	5%	1/4W
R644	1-249-421-11	CARBON	2.2K	5%	1/4W
R645	1-249-421-11	CARBON	2.2K	5%	1/4W
R701	1-216-809-11	METAL CHIP	100	5%	1/10W
R702	1-247-807-31	CARBON	100	5%	1/4W
R703	1-216-809-11	METAL CHIP	100	5%	1/10W
R704	1-414-760-21	FERRITE, EMI (SMD) (1608)			
R705	1-414-760-21	FERRITE, EMI (SMD) (1608)			
R706	1-216-809-11	METAL CHIP	100	5%	1/10W
R707	1-216-809-11	METAL CHIP	100	5%	1/10W
R708	1-414-760-21	FERRITE, EMI (SMD) (1608)			
R709	1-247-807-31	CARBON	100	5%	1/4W
R817	1-249-401-11	CARBON	47	5%	1/4W
R818	1-247-873-11	CARBON	56K	5%	1/4W
R902	1-216-841-11	METAL CHIP	47K	5%	1/10W
R903	1-216-841-11	METAL CHIP	47K	5%	1/10W
R904	1-216-841-11	METAL CHIP	47K	5%	1/10W
R905	1-216-841-11	METAL CHIP	47K	5%	1/10W
R906	1-216-841-11	METAL CHIP	47K	5%	1/10W
R907	1-216-841-11	METAL CHIP	47K	5%	1/10W
R908	1-216-841-11	METAL CHIP	47K	5%	1/10W
R909	1-216-841-11	METAL CHIP	47K	5%	1/10W
R910	1-216-841-11	METAL CHIP	47K	5%	1/10W
R911	1-216-841-11	METAL CHIP	47K	5%	1/10W
R912	1-216-841-11	METAL CHIP	47K	5%	1/10W
R913	1-216-845-11	METAL CHIP	100K	5%	1/10W
R914	1-216-845-11	METAL CHIP	100K	5%	1/10W
R915	1-216-845-11	METAL CHIP	100K	5%	1/10W
R916	1-216-845-11	METAL CHIP	100K	5%	1/10W

PANEL **PT** **SENSOR**

Ref. No.	Part No.	Description			Remark
R917	1-216-845-11	METAL CHIP	100K	5%	1/10W
R918	1-216-845-11	METAL CHIP	100K	5%	1/10W
R919	1-216-845-11	METAL CHIP	100K	5%	1/10W
R920	1-216-845-11	METAL CHIP	100K	5%	1/10W
R921	1-216-845-11	METAL CHIP	100K	5%	1/10W
R922	1-216-845-11	METAL CHIP	100K	5%	1/10W
R923	1-216-845-11	METAL CHIP	100K	5%	1/10W
R924	1-216-845-11	METAL CHIP	100K	5%	1/10W
R925	1-216-845-11	METAL CHIP	100K	5%	1/10W
R926	1-216-845-11	METAL CHIP	100K	5%	1/10W
R927	1-216-845-11	METAL CHIP	100K	5%	1/10W
R928	1-216-845-11	METAL CHIP	100K	5%	1/10W
R929	1-216-845-11	METAL CHIP	100K	5%	1/10W
R930	1-216-845-11	METAL CHIP	100K	5%	1/10W
R931	1-216-845-11	METAL CHIP	100K	5%	1/10W
R932	1-216-845-11	METAL CHIP	100K	5%	1/10W
R933	1-216-845-11	METAL CHIP	100K	5%	1/10W
R934	1-216-845-11	METAL CHIP	100K	5%	1/10W
R935	1-216-845-11	METAL CHIP	100K	5%	1/10W
R936	1-216-845-11	METAL CHIP	100K	5%	1/10W
R937	1-216-845-11	METAL CHIP	100K	5%	1/10W
R938	1-216-845-11	METAL CHIP	100K	5%	1/10W
R939	1-216-845-11	METAL CHIP	100K	5%	1/10W
R940	1-216-845-11	METAL CHIP	100K	5%	1/10W
R941	1-216-845-11	METAL CHIP	100K	5%	1/10W
R942	1-249-420-11	CARBON	1.8K	5%	1/4W
R943	1-249-420-11	CARBON	1.8K	5%	1/4W
R944	1-249-427-11	CARBON	6.8K	5%	1/4W
R945	1-249-427-11	CARBON	6.8K	5%	1/4W
R946	1-216-845-11	METAL CHIP	100K	5%	1/10W
R947	1-216-845-11	METAL CHIP	100K	5%	1/10W
R948	1-216-845-11	METAL CHIP	100K	5%	1/10W
R949	1-216-845-11	METAL CHIP	100K	5%	1/10W
R950	1-216-845-11	METAL CHIP	100K	5%	1/10W
R953	1-247-879-11	CARBON	100K	5%	1/4W
R954	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R957	1-247-879-11	CARBON	100K	5%	1/4W
R958	1-219-570-11	METAL CHIP	10M	5%	1/10W
R959	1-216-853-11	METAL CHIP	470K	5%	1/10W
R960	1-216-809-11	METAL CHIP	100	5%	1/10W
R961	1-216-821-11	METAL CHIP	1K	5%	1/10W
R962	1-216-821-11	METAL CHIP	1K	5%	1/10W
R963	1-216-821-11	METAL CHIP	1K	5%	1/10W
R964	1-216-845-11	METAL CHIP	100K	5%	1/10W
R965	1-216-845-11	METAL CHIP	100K	5%	1/10W
R966	1-216-845-11	METAL CHIP	100K	5%	1/10W
R967	1-216-845-11	METAL CHIP	100K	5%	1/10W
R968	1-216-845-11	METAL CHIP	100K	5%	1/10W
R969	1-216-845-11	METAL CHIP	100K	5%	1/10W
R970	1-216-845-11	METAL CHIP	100K	5%	1/10W
R971	1-247-879-11	CARBON	100K	5%	1/4W
R972	1-249-439-11	CARBON	68K	5%	1/4W (AEP, UK)
R972	1-247-879-11	CARBON	100K	5%	1/4W (EXCEPT AEP, UK)
R973	1-216-843-11	METAL CHIP	68K	5%	1/10W (AEP, UK)
R973	1-216-845-11	METAL CHIP	100K	5%	1/10W (EXCEPT AEP, UK)
R974	1-247-879-11	CARBON	100K	5%	1/4W
R975	1-247-879-11	CARBON	100K	5%	1/4W
R976	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
		< VIBRATOR >			
X901	1-760-252-12	VIBRATOR, CRYSTAL (32.768kHz)			
X902	1-795-880-11	VIBRATOR, CERAMIC (8.64MHz)			

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Ref. No.	Part No.	Description			Remark
	1-688-399-15	PT BOARD (AEP, UK, AUS)			
	1-688-763-12	PT BOARD (E, EA, E51, SP, TW)			
		*********			
		< CAPACITOR >			
C003	1-162-974-11	CERAMIC CHIP	0.01uF		50V (E, EA, E51, SP, TW)
C091	1-165-621-11	CERAMIC CHIP	0.1uF		50V (AEP, UK)
		< CONNECTOR >			
* CN090	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P			(E, EA, E51, SP, TW)
* CN091	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P			(AEP, UK, AUS)
CN093	1-817-542-11	CONNECTOR 11P (E, EA, E51, SP, TW)			
		< DIODE >			
D002	6-500-334-01	DIODE MC2836 (E, EA, E51, SP, TW)			
D003	6-500-335-01	DIODE MC2838 (E, EA, E51, SP, TW)			
D091	6-500-334-01	DIODE MC2836 (AEP, UK, AUS)			
D092	6-500-335-01	DIODE MC2838 (AEP, UK, AUS)			
		< TRANSFORMER >			
⚠PT002	1-439-976-11	TRANSFORMER, POWER (E, E51, SP, TW)			
⚠PT002	1-439-977-11	TRANSFORMER, POWER (EA)			
⚠PT011	1-439-735-11	TRANSFORMER, POWER (AEP, UK)			
⚠PT011	1-439-976-11	TRANSFORMER, POWER (AUS)			
		< RELAY >			
⚠RY001	1-755-276-11	RELAY, POWER			
		< SWITCH >			
⚠S001	1-786-404-11	SELECTOR, VOLTAGE (SWS-2201) (VOLTAGE SELECTOR) (E, EA, E51, SP)			
		< WIRE HOLDER >			
WH091	1-817-362-11	HOLDER, WIRE 7P (AEP, UK)			
WH093	1-817-363-11	HOLDER, WIRE 11P (AUS)			

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Ref. No.	Part No.	Description			Remark
	1-687-132-12	SENSOR BOARD			
		*************			
		< CONNECTOR >			
CN731	1-785-329-21	PIN, CONNECTOR (LIGHT ANGLE) 3P			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
		< IC >	
IC731	(NOT SUPPLIED)		

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Ref. No.	Part No.	Description	Remark
	1-687-669-12	SW BOARD *********	
		< SWITCH >	
S751	1-786-514-11	SWITCH, LEVER (SLIDE)	(OPEN/CLOSE DETECT)

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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS **************	
55	1-796-485-51	DECK, MECHANICAL (CWM43FF13)	
106	1-751-688-11	WIRE (FLAT TYPE) (13 CORE)	
107	1-769-944-11	WIRE (FLAT TYPE) (11 CORE)	
108	1-769-857-11	WIRE (FLAT TYPE) (5 CORE)	
110	1-773-182-11	WIRE (FLAT TYPE) (23 CORE)	
254	1-693-615-11	TUNER (FM/AM) (EXCEPT AEP, UK)	
254	1-693-616-11	TUNER (FM/AM) (AEP, UK)	
256	1-769-943-11	WIRE (FLAT TYPE) (11 CORE)	(EXCEPT AEP, UK)
256	1-773-007-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK)	
257	1-827-222-11	WIRE (FLAT TYPE) (19 CORE)	
⚠259	1-696-571-11	CORD, POWER (EA)	
⚠259	1-757-140-11	CORD, POWER (AEP, E51, SP)	
⚠259	1-775-787-62	CORD, POWER (UK)	
⚠259	1-775-790-42	CORD, POWER (AUS)	
⚠259	1-827-226-21	CORD, POWER (E)	
⚠259	1-827-597-11	CORD, POWER (TW)	
260	1-400-285-11	F-BEAD, E2515MRT	
509	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)	
602	1-471-035-11	MAGNET ASSY	
⚠652	A-4735-357-A	BASE ASSY, OP (KSM-213DCP)	(including M701 (SLED), M702 (SPINDLE))
653	1-823-859-11	WIRE (FLAT TYPE) (16 CORE)	
C911	1-162-282-31	CERAMIC 100PF 10% 50V	(AEP, UK)
C912	1-162-282-31	CERAMIC 100PF 10% 50V	(AEP, UK)
C913	1-128-821-11	CERAMIC 1000PF 5% 50V	(AEP, UK)
C950	1-128-815-11	CERAMIC 330PF 5% 50V	
C951	1-127-888-11	CERAMIC 0.1uF 10% 50V	(AEP, UK)
C952	1-127-888-11	CERAMIC 0.1uF 10% 50V	(AEP, UK)
M741	A-4723-963-A	MOTOR ASSY, TABLE	
M751	A-4736-655-A	MOTOR ASSY, LOADING	
⚠PT002	1-439-845-11	TRANSFORMER, POWER (AEP, UK)	
⚠PT002	1-443-050-11	TRANSFORMER, POWER (AUS)	
⚠PT004	1-439-928-11	TRANSFORMER, POWER (E, E51, SP, TW)	
⚠PT004	1-439-931-11	TRANSFORMER, POWER (EA)	
S711	1-477-680-12	ENCODER, ROTARY	(DISC TRAY ADDRESS DETECT)

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Ref. No.	Part No.	Description	Remark
		ACCESSORIES ************	
⚠	1-569-007-12	ADAPTOR, CONVERSION 2P (E)	
⚠	1-569-008-32	ADAPTOR, CONVERSION (E51, EA, SP)	
⚠	1-770-019-51	ADAPTOR, CONVERSION PLUG (UK)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2004.03	New